

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2018 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information		
For calendar plan year 2018 or fiscal plan year beginning <u>01/01/2018</u> and ending <u>12/31/2018</u>			
A	This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)	
	☒ a single-employer plan ☐ a DFE (specify) ____		
B	This return/report is:	☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)	
C	If the plan is a collectively-bargained plan, check here. ☒		
D	Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ the DFVC program	
	☐ special extension (enter description)		

Part II	Basic Plan Information—enter all requested information		
1a	Name of plan <u>MAHLE INDUSTRIES, INCORPORATED RETIREMENT PLAN</u>	1b	Three-digit plan number (PN) ▶ <u>001</u>
		1c	Effective date of plan <u>01/01/1981</u>
2a	Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>MAHLE INDUSTRIES, INCORPORATED</u> <u>23030 MAHLE DRIVE</u> <u>FARMINGTON HILLS, MI 48335</u>	2b	Employer Identification Number (EIN) <u>58-2431334</u>
		2c	Plan Sponsor's telephone number <u>248-735-3456</u>
		2d	Business code (see instructions) <u>336300</u>

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	10/14/2019	CHRIS BUSSA
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2018)
v. 171027

3a Plan administrator's name and address ☒ Same as Plan Sponsor	3b Administrator's EIN 3c Administrator's telephone number <div style="background-color: #cccccc; height: 40px; width: 100%;"></div>
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name	4b EIN 4d PN
5 Total number of participants at the beginning of the plan year	5 2093
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits..... c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	6a(1) 582 6a(2) 535 6b 1188 6c 207 6d 1930 6e 135 6f 2065 6g 6h 0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	7

8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions:

1A 3H

b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:

9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
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10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules

- (1)** ☒ **R** (Retirement Plan Information)
- (2)** ☐ **MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary
- (3)** ☒ **SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary

b General Schedules

- (1)** ☒ **H** (Financial Information)
- (2)** ☐ **I** (Financial Information – Small Plan)
- (3)** ☐ 0 **A** (Insurance Information)
- (4)** ☒ **C** (Service Provider Information)
- (5)** ☒ **D** (DFE/Participating Plan Information)
- (6)** ☐ **G** (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2018 Form M-1 annual report. If the plan was not required to file the 2018 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE SB (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Single-Employer Defined Benefit Plan Actuarial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500 or 5500-SF.	OMB No. 1210-0110 2018 This Form is Open to Public Inspection
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For calendar plan year 2018 or fiscal plan year beginning <u>01/01/2018</u> and ending <u>12/31/2018</u>	
▶ Round off amounts to nearest dollar.	
▶ Caution: A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.	
A Name of plan <u>MAHLE INDUSTRIES, INCORPORATED RETIREMENT PLAN</u>	B Three-digit plan number (PN) ▶ <u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>MAHLE INDUSTRIES, INCORPORATED</u>	D Employer Identification Number (EIN) <u>58-2431334</u>
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500

Part I	Basic Information
1 Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2018</u>	
2 Assets:	
a Market value.....	2a <u>105612923</u>
b Actuarial value	2b <u>102780294</u>
3 Funding target/participant count breakdown	
a For retired participants and beneficiaries receiving payment	(1) Number of participants <u>1323</u> (2) Vested Funding Target <u>70310832</u> (3) Total Funding Target <u>70310832</u>
b For terminated vested participants	<u>195</u> <u>5560391</u> <u>5560391</u>
c For active participants	<u>582</u> <u>38107991</u> <u>39128733</u>
d Total	<u>2100</u> <u>113979214</u> <u>114999956</u>
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)..... ☐	
a Funding target disregarding prescribed at-risk assumptions	4a
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b
5 Effective interest rate	5 <u>5.72 %</u>
6 Target normal cost	6 <u>3663627</u>

Statement by Enrolled Actuary
To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

SIGN HERE	
Signature of actuary	<u>10/09/2019</u>
<u>JOSEPH A. GRONDIN</u>	Date
Type or print name of actuary	<u>17-06662</u>
<u>WILLIS TOWERS WATSON US LLC</u>	Most recent enrollment number
Firm name	<u>248-936-7700</u>
<u>26555 EVERGREEN ROAD</u> <u>SUITE 1600</u> <u>SOUTHFIELD, MI 48076</u>	Telephone number (including area code)
Address of the firm	

Part II Beginning of Year Carryover and Prefunding Balances

	(a) Carryover balance	(b) Prefunding balance
7 Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	0	5417533
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	1370359
9 Amount remaining (line 7 minus line 8)	0	4047174
10 Interest on line 9 using prior year's actual return of <u>8.99</u> %	0	363841
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year)		1809503
b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.92</u> %		25997
b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		123195
c Total available at beginning of current plan year to add to prefunding balance		1958695
d Portion of (c) to be added to prefunding balance		0
12 Other reductions in balances due to elections or deemed elections	0	0
13 Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	4411015

Part III Funding Percentages

14 Funding target attainment percentage	14	85.53%
15 Adjusted funding target attainment percentage	15	85.53%
16 Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	88.02%
17 If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.	17	%

Part IV Contributions and Liquidity Shortfalls**18** Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
09/14/2018	1217751	0			
10/12/2018	1605842	0			
01/14/2019	1605842	0			
07/15/2019	1807152	0			
09/12/2019	4687401	0			
Totals ▶			18(b)	10923988	18(c) 0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:

a Contributions allocated toward unpaid minimum required contributions from prior years	19a	0
b Contributions made to avoid restrictions adjusted to valuation date	19b	0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c	10148613

20 Quarterly contributions and liquidity shortfalls:

- a** Did the plan have a "funding shortfall" for the prior year? ☒ Yes ☐ No
- b** If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☒ Yes ☐ No
- c** If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th
0	0	0	0

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21	Discount rate:			
a	Segment rates:	1st segment: 3.92%	2nd segment: 5.52%	3rd segment: 6.29%
		☐ N/A, full yield curve used		
b	Applicable month (enter code)	21b	4	
22	Weighted average retirement age	22	63	
23	Mortality table(s) (see instructions)	Prior regulation:	☐ Prescribed - combined	☐ Prescribed - separate
		Current regulation:	☐ Prescribed - combined	☒ Prescribed - separate
			☐ Substitute	☐ Substitute

Part VI Miscellaneous Items

24	Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment.	☐ Yes	☒ No
25	Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment.	☐ Yes	☒ No
26	Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment.	☒ Yes	☐ No
27	If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment	27	

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

28	Unpaid minimum required contributions for all prior years	28	0
29	Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)	29	0
30	Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	30	0

Part VIII Minimum Required Contribution For Current Year

31	Target normal cost and excess assets (see instructions):		
a	Target normal cost (line 6)	31a	3663627
b	Excess assets, if applicable, but not greater than line 31a	31b	0
32	Amortization installments:	Outstanding Balance	Installment
a	Net shortfall amortization installment	16630677	3564980
b	Waiver amortization installment	0	0
33	If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	33	
34	Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)	34	7228607
	Carryover balance	Prefunding balance	Total balance
35	Balances elected for use to offset funding requirement	0	3227906
36	Additional cash requirement (line 34 minus line 35)	36	4000701
37	Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	10148613
38	Present value of excess contributions for current year (see instructions)		
a	Total (excess, if any, of line 37 over line 36)	38a	6147912
b	Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	3227906
39	Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	39	0
40	Unpaid minimum required contributions for all years	40	0

Part IX Pension Funding Relief Under Pension Relief Act of 2010 (See Instructions)

41	If an election was made to use PRA 2010 funding relief for this plan:			
a	Schedule elected	☐ 2 plus 7 years	☐ 15 years	
b	Eligible plan year(s) for which the election in line 41a was made	☐ 2008	☐ 2009	☐ 2010
		☐ 2011		

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2018
		This Form is Open to Public Inspection.

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018		
A Name of plan MAHLE INDUSTRIES, INCORPORATED RETIREMENT PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 MAHLE INDUSTRIES, INCORPORATED	D Employer Identification Number (EIN) 58-2431334	

Part I	Service Provider Information (see instructions)
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You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

- a** Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions)..... ☐ Yes ☒ No
- b** If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
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2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

AON HEWITT

22-2232264

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
15 50	NONE	304189	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

RYAN LABS ASSET MANAGEMENT INC.

47-3503928

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 51	NONE	216957	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

TOWERS WATSON DELAWARE INC.

53-0181291

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
11 50	NONE	83494	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

COMERICA INCORPORATED

42-1741646

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
19 21 49 50 59 62 72	NONE	74452	Yes ☒ No ☐	Yes ☒ No ☐	7035	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

PLANTE & MORAN

38-1357951

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
10 50	NONE	45450	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

KESTRA ADVISORY SERVICES LLC

74-2794194

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
17 50	NONE	45000	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

HELEN CLEVELAND PC

11-3672269

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
29 50	NONE	15717	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

SCHEDULE D (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small>	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2018 This Form is Open to Public Inspection.
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For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

A Name of plan <u>MAHLE INDUSTRIES, INCORPORATED RETIREMENT PLAN</u>	B Three-digit plan number (PN) ►	<u>001</u>
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 <u>MAHLE INDUSTRIES, INCORPORATED</u>	D Employer Identification Number (EIN) <u>58-2431334</u>	

Part I	Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)
---------------	--

a Name of MTIA, CCT, PSA, or 103-12 IE: <u>COMERICA SHORT TERM FUND</u>		
b Name of sponsor of entity listed in (a): <u>COMERICA BANK</u>		
c EIN-PN <u>47-7305132-001</u>	d Entity code <u>C</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>1057344</u>
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

Part II Information on Participating Plans (to be completed by DFEs)

(Complete as many entries as needed to report all participating plans)

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN

SCHEDULE H (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2018 This Form is Open to Public Inspection
For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018		
A Name of plan MAHLE INDUSTRIES, INCORPORATED RETIREMENT PLAN	B Three-digit plan number (PN) ►	001
C Plan sponsor's name as shown on line 2a of Form 5500 MAHLE INDUSTRIES, INCORPORATED	D Employer Identification Number (EIN) 58-2431334	

Part I Asset and Liability Statement			
1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.			
Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a	0	0
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....	1b(1)	4598265	8100395
(2) Participant contributions	1b(2)		
(3) Other.....	1b(3)	1326122	494705
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)	0	0
(2) U.S. Government securities	1c(2)	16134929	17181988
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other.....	1c(3)(B)	46267523	42814198
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common.....	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)	14869744	14662677
(6) Real estate (other than employer real property).....	1c(6)		
(7) Loans (other than to participants)	1c(7)	5909567	6499855
(8) Participant loans.....	1c(8)	0	0
(9) Value of interest in common/collective trusts	1c(9)	863235	1057344
(10) Value of interest in pooled separate accounts	1c(10)	0	0
(11) Value of interest in master trust investment accounts	1c(11)		
(12) Value of interest in 103-12 investment entities.....	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)	15720900	14497875
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)		
(15) Other	1c(15)	0	0

1d Employer-related investments:

		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)		
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	105690285	105309037

Liabilities

g Benefit claims payable	1g		
h Operating payables	1h		
i Acquisition indebtedness	1i		
j Other liabilities	1j	0	234616
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	234616

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	105690285	105074421
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Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income**a Contributions:**

		(a) Amount	(b) Total
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	10923988	
(B) Participants	2a(1)(B)		
(C) Others (including rollovers)	2a(1)(C)		
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		10923988

b Earnings on investments:**(1) Interest:**

(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)		
(B) U.S. Government securities	2b(1)(B)	134904	
(C) Corporate debt instruments	2b(1)(C)	1841971	
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans	2b(1)(E)		
(F) Other	2b(1)(F)	29439	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		2006314

(2) Dividends: (A) Preferred stock	2b(2)(A)		
(B) Common stock	2b(2)(B)		
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	564344	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		564344

(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)	38572381	
(B) Aggregate carrying amount (see instructions)	2b(4)(B)	39237889	
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		-665508
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)		
(B) Other	2b(5)(B)	-3057211	
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		-3057211

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		273498
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds).....	2b(10)		-1737033
c Other income.....	2c		2889
d Total income. Add all income amounts in column (b) and enter total	2d		8311281

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	6890560	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3).....	2e(4)		6890560
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense	2h		
i Administrative expenses: (1) Professional fees.....	2i(1)	524802	
(2) Contract administrator fees.....	2i(2)		
(3) Investment advisory and management fees.....	2i(3)	261957	
(4) Other	2i(4)	1249826	
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		2036585
j Total expenses. Add all expense amounts in column (b) and enter total	2j		8927145

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		-615864
l Transfers of assets:			
(1) To this plan.....	2l(1)		
(2) From this plan.....	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☐ Unqualified (2) ☐ Qualified (3) ☒ Disclaimer (4) ☐ Adverse

b Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)? ☒ Yes ☐ No

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: PLANTE & MORAN, PLLC

(2) EIN: 38-1357951

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.).....

b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)

	Yes	No	Amount
4a		X	
4b		X	

		Yes	No	Amount
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)	4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.).....	4d		X	
e Was this plan covered by a fidelity bond?	4e	X		500000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?.....	4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?.....	4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked, and see instructions for format requirements.)	4j	X		
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?	4k		X	
l Has the plan failed to provide any benefit when due under the plan?.....	4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	4m			
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.	4n			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year?..... ☐ Yes ☒ No
 If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c If the plan is a defined benefit plan, is it covered under the PBGC insurance program (See ERISA section 4021.)? ☒ Yes ☐ No ☐ Not determined
 If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 4162337. (See instructions.)

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110 2018 This Form is Open to Public Inspection.
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For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

A Name of plan <u>MAHLE INDUSTRIES, INCORPORATED RETIREMENT PLAN</u>	B Three-digit plan number (PN) ▶ <u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>MAHLE INDUSTRIES, INCORPORATED</u>	D Employer Identification Number (EIN) <u>58-2431334</u>

Part I	Distributions
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All references to distributions relate only to payments of benefits during the plan year.

1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions	1	<u>0</u>
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): <u>46-2345389</u>		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year	3	<u>0</u>

Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)
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4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)?	☐ Yes	☐ No	☒ N/A
If the plan is a defined benefit plan, go to line 8.			
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.			
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived)	6a		
b Enter the amount contributed by the employer to the plan for this plan year	6b		
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount)	6c		
If you completed line 6c, skip lines 8 and 9.			
7 Will the minimum funding amount reported on line 6c be met by the funding deadline?	☐ Yes	☐ No	☐ N/A
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change?	☐ Yes	☐ No	☒ N/A

Part III	Amendments
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9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box.....	☐ Increase	☐ Decrease	☐ Both	☒ No
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Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.
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10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?	☐ Yes	☐ No
11 a Does the ESOP hold any preferred stock?	☐ Yes	☐ No
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)	☐ Yes	☐ No
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?	☐ Yes	☐ No

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Schedule R (Form 5500) 2018
v. 171027

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that contributed more than 5% of total contributions to the plan during the plan year (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

- 14** Enter the number of participants on whose behalf no contributions were made by an employer as an employer of the participant for:

a The current year

b The plan year immediately preceding the current plan year

c The second preceding plan year

14a**14b****14c**

- 15** Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:

a The corresponding number for the plan year immediately preceding the current plan year

b The corresponding number for the second preceding plan year

15a**15b**

- 16** Information with respect to any employers who withdrew from the plan during the preceding plan year:

a Enter the number of employers who withdrew during the preceding plan year

b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers

16a**16b**

- 17** If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment. ☐

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

- 18** If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐

- 19** If the total number of participants is 1,000 or more, complete lines (a) through (c)

- a** Enter the percentage of plan assets held as:

Stock: 13.0% Investment-Grade Debt: 69.0% High-Yield Debt: 0.0% Real Estate: 0.0% Other: 18.0%

- b** Provide the average duration of the combined investment-grade and high-yield debt:

☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☒ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more

- c** What duration measure was used to calculate line 19(b)?

☐ Effective duration ☐ Macaulay duration ☒ Modified duration ☐ Other (specify):



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Independent Auditor's Report

To the Plan Administrator
 MAHLE Industries, Inc. Retirement Plan

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of MAHLE Industries, Inc. Retirement Plan (the "Plan"), which comprise the statement of net assets available for benefits as of December 31, 2018 and 2017 and the related statement of changes in net assets available for benefits for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on conducting the audits in accordance with auditing standards generally accepted in the United States of America. Because of the matter described in the *Basis for Disclaimer of Opinion* paragraph, however, we were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion.

Basis for Disclaimer of Opinion

As permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 (ERISA), the plan administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information summarized in Note 3, which was certified by Comerica Bank (the "Custodian"), except for comparing such information with the related information included in the financial statements. We have been informed by the plan administrator that the Custodian holds the Plan's investment assets and executes related transactions. The plan administrator has obtained certifications from the Custodian as of and for the years ended December 31, 2018 and 2017 that the information provided to the plan administrator is complete and accurate.

Disclaimer of Opinion

Because of the significance of the matter described in the *Basis for Disclaimer of Opinion* paragraph, we have not been able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion. Accordingly, we do not express an opinion on these financial statements.

Other Matter

The supplemental schedules of assets held at end of year as of December 31, 2018 and reportable transactions for the year ended December 31, 2018 are required by the Department of Labor's (DOL) Rules and Regulations for Reporting and Disclosure under ERISA and are presented for the purpose of additional analysis and are not a required part of the financial statements. Because of the significance of the matter described in the *Basis for Disclaimer of Opinion* paragraph, we do not express an opinion on these supplemental schedules.

To the Plan Administrator
MAHLE Industries, Inc. Retirement Plan

Report on Form and Content in Compliance with DOL Rules and Regulations

The form and content of the information included in the financial statements and supplemental schedules, other than that derived from the information certified by the Custodian, have been audited by us in accordance with auditing standards generally accepted in the United States of America and, in our opinion, are presented in compliance with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

Plante & Moran, PLLC

Southfield, Michigan
October 8, 2019

MAHLE Industries, Inc. Retirement Plan**Statement of Net Assets Available for Benefits**

		December 31, 2018 and 2017	
		<u>2018</u>	<u>2017</u>
Assets			
Investments at fair value:			
Mutual funds	\$	14,497,875	\$ 15,720,900
Common collective trust fund		1,057,344	863,235
U.S. government securities		17,181,988	16,134,929
Corporate debt securities		42,814,198	46,267,523
Other debt securities		6,499,855	5,909,567
Limited partnership		14,640,376	14,360,417
Hedge fund		22,302	509,327
Total investments at fair value		96,713,938	99,765,898
Contributions receivable		8,100,395	4,598,265
Due from broker for securities sold		17,159	861,547
Accrued interest and dividends		477,545	464,575
Total assets		105,309,037	105,690,285
Liabilities - Due to broker for securities purchased		<u>234,616</u>	<u>-</u>
Net Assets Available for Benefits		<u>\$ 105,074,421</u>	<u>\$ 105,690,285</u>

MAHLE Industries, Inc. Retirement Plan**Statement of Changes in Net Assets Available for Benefits****Years Ended December 31, 2018 and 2017**

	<u>2018</u>	<u>2017</u>
Additions		
Contributions - Employer	\$ 10,923,988	\$ 7,338,983
Investment income (loss):		
Interest and dividends	2,570,659	2,732,188
Net realized and unrealized (losses) gains on investments	<u>(5,183,366)</u>	<u>6,260,282</u>
Total investment (loss) income	<u>(2,612,707)</u>	<u>8,992,470</u>
Total additions - Net	8,311,281	16,331,453
Deductions		
Benefits paid directly to participants or beneficiaries	6,890,560	11,449,187
Administrative expenses	<u>2,036,585</u>	<u>1,935,305</u>
Total deductions	<u>8,927,145</u>	<u>13,384,492</u>
Net (Decrease) Increase	(615,864)	2,946,961
Net Assets Available for Benefits		
Beginning of year	<u>105,690,285</u>	<u>102,743,324</u>
End of year	<u>\$ 105,074,421</u>	<u>\$ 105,690,285</u>

MAHLE Industries, Inc. Retirement Plan

Notes to Financial Statements

December 31, 2018 and 2017

Note 1 - Plan Description

The following description includes the provisions of MAHLE Industries, Inc. Retirement Plan (the "Plan") and provides only general information. The Plan includes participants that are covered under various plan provisions dependent upon their location. Participants should refer to the plan agreement for a more complete description of the Plan's provisions.

General

The Plan is a defined benefit plan covering eligible active, terminated, and retired employees and beneficiaries of MAHLE Industries, Incorporated (the "Company"), as defined in the plan agreement. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA).

Eligibility and Vesting

The Plan is frozen to new participants. Employees actively participating in the Plan at December 31, 2011 are generally eligible to continue participating. Participants are fully vested in their accrued benefits after five years of service.

Pension Benefits

Eligible employees with five or more years of service are entitled to normal annual pension benefits beginning at normal retirement age 65 equal to a percentage, as specified in the Plan, of their final average annual compensation for each year of service up to 30 years, reduced by an amount the participant is or would be entitled to receive under the Social Security Act then in effect. The Plan permits early retirement at ages 55-64 and 10 years of service at a reduced benefit and allows participants to continue beyond the normal retirement age of 65.

If employees terminate before rendering five years of service, they forfeit the right to receive a benefit. If a participant becomes disabled before retirement but after completing five years of service, the participant will receive benefit payments at the time he or she would have reached normal retirement (or early retirement, if elected) based on the participant's compensation for the calendar year preceding the disability.

Death Benefits

If an active or terminated employee dies prior to the commencement of benefits under the Plan, his or her surviving spouse shall receive a survivor benefit, as defined in the Plan. Payments will commence on the deceased participant's normal retirement date or earliest retirement date at a reduced benefit, if elected.

Funding

The Company's policy is to make contributions necessary to satisfy ERISA funding standards. Annual contributions meet the minimum funding requirements of ERISA.

Contributions

All contributions to the Plan are made by the Company. The Company contributes such amounts, as determined on an actuarial basis, to provide the Plan with assets sufficient to meet the projected benefits to be paid to plan participants. No participant contributions are permitted.

Payment of Benefits

Distributions are payable upon retirement, death, disability, or termination of employment in the form of a lump-sum amount equal to the vested value of the participant's accumulated plan benefits, if less than \$5,000, or in various installment annuities.

Effective September 15, 2017 through October 31, 2017, the Plan offered a lump-sum payout option to certain terminated vested participants and beneficiaries of the Plan.

MAHLE Industries, Inc. Retirement Plan**Notes to Financial Statements****December 31, 2018 and 2017****Note 1 - Plan Description (Continued)*****Party-in-interest Transactions***

Certain plan assets are in investment funds managed by Comerica Bank (Comerica) or its affiliates. Comerica is the custodian of the Plan; therefore, these transactions qualify as party-in-interest transactions, as defined under ERISA guidelines.

Note 2 - Summary of Significant Accounting Policies***Investment Valuation and Income Recognition***

Investments held by the Plan are stated at fair value. Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. See Note 4 for further discussion of fair value measurements.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded as earned. Dividends are recorded on the ex-dividend date.

Benefit Payments

Benefits are recorded when paid.

Actuarial Present Value of Accumulated Plan Benefits

Accumulated plan benefits are those future periodic payments that are attributable, under the Plan's provisions, to the service employees have rendered. These include benefits expected to be paid to:

- (a) Retired or terminated employees or their beneficiaries
- (b) Beneficiaries of employees who have died
- (c) Present employees or their beneficiaries

Benefits are based on final average earnings, as defined in the Plan, subject to an adjustment based upon the date of a participant's termination or elective freezing of active status in accordance with the Plan's provisions.

Actuarial Assumptions

The actuarial present value of accumulated plan benefits is determined by an actuary and is the amount that results from applying actuarial assumptions to adjust the accumulated plan benefits to reflect the time value of money and probability of payment between the valuation date and the expected date of payment.

The significant actuarial assumptions used in the valuation of the Plan at December 31, 2017, the date of the most recent valuation, are summarized as follows:

Actuarial cost method	Traditional unit credit
Discount rate	5.0 percent per annum
Mortality basis	The RP-2014 blue collar/white collar mortality tables projected generationally using mortality improvement scale MP-2018
Assumed retirement age	Various rates ranging from 3.0 percent at age 55 to 100 percent at age 70+

The foregoing actuarial assumptions are based on the presumption that the Plan will continue. Were the Plan to terminate, different actuarial assumptions and other factors might be applicable in determining the actuarial present value of accumulated plan benefits.

MAHLE Industries, Inc. Retirement Plan**Notes to Financial Statements****December 31, 2018 and 2017****Note 2 - Summary of Significant Accounting Policies (Continued)*****Use of Estimates***

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of additions and deductions during the reporting period. Actual results could differ from those estimates.

Risks and Uncertainties

Contributions to the Plan and the actuarial present value of accumulated plan benefits are reported based on certain assumptions pertaining to interest rates, inflation rates, and demographics. Due to the changing nature of these assumptions, it is at least reasonably possible that changes in these assumptions will occur in the near term and, due to the uncertainties inherent in setting assumptions, that the effect of such changes could be material to the financial statements. Investment securities are exposed to various risks, such as interest rate, market, and credit risks. It is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect the financial statements.

Subsequent Events

The financial statements and related disclosures include evaluation of events up through and including October 8, 2019, which is the date the financial statements were available to be issued.

Note 3 - Unaudited Information

Comerica Bank (the "Custodian") holds the Plan's investments and executes all investment transactions. The investment balances and related investment results included in the accompanying financial statements and supplemental schedules of assets held at end of year and reportable transactions are based solely on information provided by the Custodian.

Note 4 - Fair Value Measurements

Accounting standards require certain assets and liabilities be reported at fair value in the financial statements and provide a framework for establishing that fair value. The framework for determining fair value is based on a hierarchy that prioritizes the valuation techniques and inputs used to measure fair value.

The following tables present information about the Plan's assets measured at fair value on a recurring basis at December 31, 2018 and 2017.

Level 1

Fair values determined by Level 1 inputs use quoted prices in active markets for identical assets that the Plan has the ability to access.

Level 2

Fair values determined by Level 2 inputs use other inputs that are observable, either directly or indirectly. These Level 2 inputs include quoted prices for similar assets in active markets, quoted prices for identical or similar assets in markets that are not active, and inputs other than quoted prices that are observable for the asset.

Level 3

Level 3 inputs are unobservable inputs, including inputs that are available in situations where there is little, if any, market activity for the related asset.

MAHLE Industries, Inc. Retirement Plan**Notes to Financial Statements****December 31, 2018 and 2017****Note 4 - Fair Value Measurements (Continued)**

In instances whereby inputs used to measure fair value fall into different levels of the fair value hierarchy, fair value measurements in their entirety are categorized based on the lowest level input that is significant to the valuation. The Plan's assessment of the significance of particular inputs to these fair value measurements requires judgment and considers factors specific to each asset.

The following valuation methodologies have been used to value the Plan's investments:

Mutual Funds

Mutual funds are valued at quoted prices reported in active markets.

Common Collective Trust Fund

The common collective trust fund is valued at net asset value per share or its equivalent of the fund, which is based on the fair value of the fund's underlying assets. There are no redemption restrictions or unfunded commitments on this investment.

U.S. Government, Corporate, and Other Debt Securities

The U.S. government securities, corporate debt securities, and other debt securities are valued using quoted market prices and/or other market data for the same or comparable instruments and transactions in establishing the prices, discounted cash flow models, and other pricing models. These models are primarily industry-standard models that consider various assumptions, including time value and yield curve, as well as other relevant economic measures.

Limited Partnership and Hedge Fund

Investments in limited partnership and hedge fund investments are valued at net asset value per share (NAV) (or its equivalent) of the funds based on audited financial statements of the funds, where available, with adjustments to account for partnership activity and other applicable valuation adjustments.

Assets Measured at Fair Value on a Recurring Basis at December 31, 2018			
	Investments (at Fair Value)	Level 1	Level 2
Mutual funds	\$ 14,497,875	\$ 14,497,875	\$ -
U.S. government securities	17,181,988	-	17,181,988
Corporate debt securities	42,814,198	-	42,814,198
Other debt securities:			
Collateralized mortgage obligations	4,617,461	-	4,617,461
Mortgage-backed securities	299,536	-	299,536
Asset-backed securities	1,579,993	-	1,579,993
State government securities	2,865	-	2,865
Total	80,993,916	\$ 14,497,875	\$ 66,496,041
Investments measured at NAV:			
Limited partnership (1)	14,640,376		
Hedge fund (2)	22,302		
Common collective trust fund	1,057,344		
Total investments at fair value	\$ 96,713,938		

MAHLE Industries, Inc. Retirement Plan**Notes to Financial Statements****December 31, 2018 and 2017****Note 4 - Fair Value Measurements (Continued)**

Assets Measured at Fair Value on a Recurring Basis at December 31, 2017			
	Investments (at Fair Value)	Level 1	Level 2
Mutual funds	\$ 15,720,900	\$ 15,720,900	\$ -
U.S. government securities	16,134,929	-	16,134,929
Corporate debt securities	46,267,523	-	46,267,523
Other debt securities:			
Collateralized mortgage obligations	4,070,839	-	4,070,839
Mortgage-backed securities	312,056	-	312,056
Asset-backed securities	1,523,524	-	1,523,524
State government securities	3,148	-	3,148
Total	84,032,919	\$ 15,720,900	\$ 68,312,019
Investments measured at NAV:			
Limited partnership (1)	14,360,417		
Hedge fund (2)	509,327		
Common collective trust fund	863,235		
Total investments at fair value	\$ 99,765,898		

- (1) This class is composed of an investment in a limited partnership that invests in several different individual limited partnerships and investment funds employing a variety of investing strategies, primarily including multicategory, credit-driven, and equity strategies. Redemption restrictions on this investment include semiannual redemption periods with 95 days' prior notice required. There were no unfunded commitments related to the investment within this class.
- (2) This class is composed of an investment in a hedge fund that seeks long-term growth of capital with reduced volatility by allocating its capital among various money managers that, as a group, employ a variety of investment techniques and strategies. The hedge fund invests primarily in various investment funds managed by other individual portfolio managers. Redemption restrictions on this investment include quarterly redemption periods with 90 days' prior notice required. Redemptions of this investment became restricted during 2017, and compulsory liquidation of the hedge fund has begun. There were no unfunded commitments related to the investment within this class.

The Plan's policy is to recognize transfers between levels of the fair value hierarchy as of the end of the reporting period.

Note 5 - Accumulated Plan Benefits

The actuarial present value of accumulated plan benefits is determined by consulting actuaries. The calculations of the estimated present value of accumulated plan benefits attributable to participants in the Plan, which were made as of and for the year ended December 31, 2017, the most recent actuarial valuation date, are as follows:

Actuarial present value of accumulated plan benefits:	
Vested benefits:	
Participants currently receiving benefit payments	\$ 72,753,707
Other vested participants	53,740,435
Total vested benefits	126,494,142
Nonvested benefits	204,150
Total actuarial present value of accumulated plan benefits	\$ 126,698,292

MAHLE Industries, Inc. Retirement Plan**Notes to Financial Statements****December 31, 2018 and 2017****Note 5 - Accumulated Plan Benefits (Continued)**

A summary of significant changes in the actuarial present value of accumulated plan benefits during the year ended December 31, 2017 is as follows:

Actuarial present value of accumulated plan benefits - Beginning of year	\$ 131,104,355
Increase (decrease) during the year attributable to:	
Benefits accumulated	2,608,526
Increase for interest due to the decrease in the discount period	6,399,414
Changes in actuarial assumptions	(358,032)
Actuarial gains	(1,606,784)
Benefits paid	<u>(11,449,187)</u>
Net decrease	<u>(4,406,063)</u>
Actuarial present value of accumulated plan benefits - End of year	<u><u>\$ 126,698,292</u></u>

Note 6 - Tax Status

The Plan has received a determination letter from the Internal Revenue Service indicating that the Plan, as designed, is qualified for tax-exempt treatment under the applicable section of the Internal Revenue Code (IRC). Accordingly, no provision for income taxes has been made in the accompanying financial statements.

Note 7 - Plan Termination

Should the Plan terminate at some future time, its net assets generally will not be available on a pro rata basis to provide participants' benefits. Whether a particular participant's accumulated plan benefits will be paid depends on both the priority of those benefits and the level of benefits guaranteed by the Pension Benefit Guaranty Corporation (PBGC) at that time. Some benefits may be fully or partially provided for by the then-existing assets and the PBGC guarantee, while other benefits may not be provided for at all.

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26 Schedule of Active Participant Data as of January 1, 2018

Attained Age	Attained Years of Credited Service ³									
	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over
Under 25	0	0	0	0	0	0	0	0	0	0
25-29	0	0	0	0	0	0	0	0	0	0
30-34	0	0	1	0	1	0	0	0	0	0
35-39	0	0	9	0	17	5	0	0	0	0
40-44	0	3	11	6	22	38	2	0	0	0
45-49	0	1	12	12	29	43	13	9	0	0
50-54	0	0	8	5	25	28	29	43	0	0
55-59	0	0	2	3	14	25	18	39	22	1
60-64	0	1	1	3	10	9	6	19	19	7
65-69	0	0	0	0	1	2	1	4	1	1
70 & over	0	0	0	0	1	0	0	0	0	0

³ Age and service for purposes of determining category are based on exact (not rounded) values.

Plan Name: MAHLE Industries, Incorporated Retirement Plan

EIN / PN: 58-2431334 / 001

Plan Sponsor: MAHLE Industries, Incorporated

Valuation Date: January 1, 2018

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V Statement of Actuarial Assumptions/Methods

Economic Assumptions

Interest rate basis:

■ Applicable month	September
■ Interest rate basis	3-Segment Rates

Interest rates:

	Reflecting Corridors	Not Reflecting Corridors
■ First segment rate	3.92%	1.75%
■ Second segment rate	5.52%	3.76%
■ Third segment rate	6.29%	4.66%
■ Effective interest rate	5.72%	4.06%

Annual rates of increase

■ Compensation ¹	2.00%
■ Cost of living adjustments ²	5.00%
■ Future Social Security wage bases	3.50%
■ Statutory limits on compensation	3.00%

Plan related expenses	\$1,694,000
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¹ Increase in the final average earnings.

² Cost of living adjustments are for the Caldwell Special Age 65 Benefits (premiums for Medicare Part B benefit).

Plan Name: MAHLE Industries, Incorporated Retirement Plan

EIN / PN: 58-2431334 / 001

Plan Sponsor: MAHLE Industries, Incorporated

Valuation Date: January 1, 2018

SCHEDULE SB ATTACHMENTS

Demographic Assumptions

Inclusion date The valuation date coincident with or next following the date on which the employee is hired.

New or rehired employees It was assumed there will be no new or rehired employees.

Mortality

■ Healthy The prescribed mortality assumption under Section 430(h)(3)(A) of the Internal Revenue Code using static tables with separate mortality rates for annuitants and non-annuitants and is based on tables issued by the IRS in 2018.

■ Disabled The prescribed mortality assumption under Section 430(h)(3)(A) of the Internal Revenue Code using static tables with separate mortality rates for annuitants and non-annuitants and is based on tables issued by the IRS in 2018.

Retirement

For purposes of determining the Funding Target and Target Normal Cost (both disregarding at-risk assumptions), the rates at which participants eligible to retire by age are shown below.

Age	Rate (%)	Age	Rate (%)
55	3	63	20
56	2	64	20
57	2	65	50
58	2	66	50
59	2	67	50
60	5	68	50
61	2	69	50
62	30	70	100

The weighted average retirement is 63, calculated by determining the average age at retirement for those current active participants expected to reach retirement, based on all current decrements assumed.

Terminated vested participants are assumed to commence benefits at age 65. However, participants at Manchester who terminated employment due to plant closure who were eligible to commence early benefits are assumed to commence benefits at age 62.

Plan Name: MAHLE Industries, Incorporated Retirement Plan
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Plan Sponsor: MAHLE Industries, Incorporated
Valuation Date: January 1, 2018

SCHEDULE SB ATTACHMENTS

Disability

The rates at which participants become disabled by age and gender are shown below:

Attained Age	Rate (%)	
	Males	Females
20	0.1200	0.1800
25	0.1200	0.1800
30	0.1200	0.1800
35	0.1275	0.1915
40	0.1470	0.2205
45	0.1975	0.2965
50	0.3565	0.5350
55	0.6810	1.0215
60	1.3800	2.0700
65	0.0000	0.0000

Representative termination rates not due to retirement, disability, or mortality

Attained Age	Rate (%)
25	5.91
30	5.61
35	5.31
40	5.01
45	4.71
50	4.19
55	0.00

Benefit commencement date

- Preretirement death benefit Age 65.
- Deferred vested benefit Age 65.
- Disability benefit Age 65.
- Retirement benefit Upon termination of employment

Form of payment

All participants are assumed to elect a single life annuity.

Percent married

80% of participants are assumed married. Used to value pre-retirement surviving spouse benefits.

Spouse age

Wife three years younger than husband.

Plan Name: MAHLE Industries, Incorporated Retirement Plan
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Valuation Date: January 1, 2018

SCHEDULE SB ATTACHMENTS

Final average earnings	<p>Assumed final average plan compensation for the year beginning on the valuation date was determined as the final average earnings as of December 31, 2006, increased each year prior to the current plan year, by the general wage increase percentage declared by the employer in the December of the preceding calendar year.</p> <p>The final average earnings freezes at the time an employee opts out of the plan.</p>
At-risk assumptions	<p>For at-risk calculations, all participants eligible to elect benefits during the current and subsequent ten plan years are assumed to commence benefits at the earliest possible date under the plan, but not before the end of the current plan year, except in accordance with the regular valuation assumptions. In addition, all participants (not just those eligible to begin benefits within the next 11 years) are assumed to elect the most valuable form of benefit under the plan, which is usually the single life annuity form of payment.</p>
Timing of benefit payments	<p>Annuity payments are payable monthly at the beginning of the month.</p>

Methods

Valuation date	First day of plan year
Funding target	Present value of accrued benefits as required by regulations under IRC §430.
Target normal cost	Present value of benefits expected to accrue during the plan year plus plan-related expenses expected to be paid from plan assets during the plan year as required by regulations under IRC §430.

Plan Name:	MAHLE Industries, Incorporated Retirement Plan
EIN / PN:	58-2431334 / 001
Plan Sponsor:	MAHLE Industries, Incorporated
Valuation Date	January 1, 2018

SCHEDULE SB ATTACHMENTS

Actuarial value of assets for determining minimum required contributions

Average of the fair market value of assets on the valuation date and 12 and 24 months preceding the valuation date, adjusted for contributions, benefits, administrative expenses and expected earnings of 5.00% (with such expected earnings limited as described in IRS Notice 2009-22). The average asset value must be within 10% of market value, including discounted contributions receivable (discounted using the effective interest rate for the prior plan year.)

The method of computing the actuarial value of assets complies with rules governing the calculation of such values under the Pension Protection Act of 2006 (PPA). These rules produce smoothed values that reflect the underlying market value of plan assets but fluctuate less than the market value. As a result, the actuarial value of assets will be lower than the market value in some years and greater in other years. However, over the long term under PPA's smoothing rules, the method has a significant bias to produce an actuarial value of assets that is below the market value of assets.

Benefits not valued

The plan pays small benefits (with a present value up to \$5,000 in a single lump sum payment). Such lump sums are not explicitly valued; rather such participants' benefits are valued using the benefit choice assumptions described above.

Data Sources

Participant data

The plan sponsor, through its third party administrator, Aon Hewitt furnished participant data as of the census date. Data were reviewed for reasonableness and consistency, but no audit was performed. There were no adjustments to the data to reflect any significant changes in plan population or events that occurred between the date the data was collected and the measurement date.

We are not aware of any errors or omissions in the data that would have a significant effect on the results of our calculations.

Plan Name:	MAHLE Industries, Incorporated Retirement Plan
EIN / PN:	58-2431334 / 001
Plan Sponsor:	MAHLE Industries, Incorporated
Valuation Date	January 1, 2018

SCHEDULE SB ATTACHMENTS

Asset information

The fair value of plan assets as of December 31, 2017, along with contribution, benefit payments and administrative expenses payable for the January 1, 2017 to December 31, 2017 period was furnished by Gallagher Retirement Services Inc. This data was reviewed for reasonableness and consistency, but no audit was performed.

Assumptions Rationale - Significant Economic Assumptions

Discount rate

The basis chosen was selected by the plan sponsor from among choices prescribed by law, all of which are based on observed market data over certain periods of time.

Rates of increase in:

- Final average earnings

Assumed compensation increases are based on a combination of assumed future (i) cost-of-living increases (CPI), (ii) productivity increases and (iii) promotional increases. CPI increases assumed are as described below. Productivity increases are consistent with the assumed real increases in NAW described below (i.e., increases in assumed NAW less increases in assumed CPI).

Since annual increases in the final average earnings are limited to 2% by the plan provisions, a 2% final average earnings increase was assumed.
- National average wages (NAW) (e.g., Social Security wage bases)

The assumed NAW is based on assumed CPI as shown below, plus assumed increases in real wages (the portion of GDP increases that becomes part of wages). Such assumed future increases in real wages are based on historical averages.
- Increases in statutory limits (CPI)

The assumed CPI increases are based on a combination of historical average CPI increases, current conditions and forecasts prepared by economists.
- Plan related expenses

Plan related expenses assumed payable from the trust are based on the average of the plan related expenses (excluding PBGC premiums) paid from the trust during the last three plan years, plus the estimated PBGC premium expected to be paid from the trust for the current plan year, rounded to the nearest \$1,000.

Plan Name: MAHLE Industries, Incorporated Retirement Plan
EIN / PN: 58-2431334 / 001
Plan Sponsor: MAHLE Industries, Incorporated
Valuation Date: January 1, 2018

SCHEDULE SB ATTACHMENTS

Assumptions Rationale - Significant Demographic Assumptions

Healthy Mortality	Assumptions used for funding purposes are as prescribed by IRC §430(h).
Termination	Termination rates were based on an experience study conducted in December 2013, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future.
Retirement	Retirement rates were based on an experience study conducted in December 2013, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future.

Source of Prescribed Methods

Funding methods	The methods used for funding purposes as described in Appendix A, including the method of determining plan assets, are "prescribed methods set by law", as defined in the actuarial standards of practice (ASOPs). These methods are required by IRC §430, or were selected by the plan sponsor from a range of methods permitted by IRC §430.
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Changes in Assumptions and Methods

Change in assumptions and methods since prior valuation	<p>The segment interest rates used to calculate the funding target and target normal cost were updated to the current valuation date as required by IRC 430.</p> <p>The mortality table used to calculate the funding target and target normal cost was updated as required by IRC 430.</p> <p>The plan related expenses assumed payable from the pension trust increased from \$1,832,000 for the 2017 plan year to \$1,694,000 for the 2018 plan year.</p>
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Plan Name:	MAHLE Industries, Incorporated Retirement Plan
EIN / PN:	58-2431334 / 001
Plan Sponsor:	MAHLE Industries, Incorporated
Valuation Date	January 1, 2018

MAHLE Industries, Inc. Retirement Plan**Schedule of Reportable Transactions**

Form 5500, Schedule H, Line 4j
EIN 58-2431334, Plan No. 001
Year Ended December 31, 2018

(a) Identity of Party Involved	(b) Description of Asset	(c) Purchase Price	(d) Selling Price	(g) Cost of Asset	(h) Current Value of Asset on Transaction Date	(i) Net Gain (Loss)
Category (iii) - A series of transactions with respect to securities of the same issue that amount in the aggregate to more than 5 percent of the beginning value of the total plan assets:						
Comerica	Comerica Short Term Fund:					
	Purchases 355	\$ 18,931,954	\$ -	\$ 18,931,954	\$ 18,931,954	\$ -
	Sales 166	-	18,737,844	18,737,844	18,737,844	-

There were no Category (i), (ii), or (iv) reportable transactions during the year.

**SCHEDULE SB
(Form 5500)**Department of the Treasury
Internal Revenue Service
Department of Labor
Employee Benefits Security Administration
Pension Benefit Guaranty Corporation**Single-Employer Defined Benefit Plan
Actuarial Information**

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500 or 5500-SF.**

OMB No. 1210-0110

2018**This Form is Open to Public
Inspection**

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

▶ **Round off amounts to nearest dollar.**▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

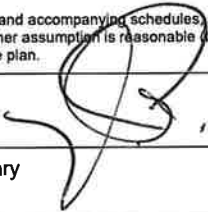
A Name of plan MAHLE INDUSTRIES, INCORPORATED RETIREMENT PLAN	B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF MAHLE INDUSTRIES, INCORPORATED	D Employer Identification Number (EIN) 58-2431334
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500

Part I Basic Information

1 Enter the valuation date: Month 01 Day 01 Year 2018			
2 Assets:			
a Market value.....	2a	105,612,923	
b Actuarial value.....	2b	102,780,294	
3 Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment.....	1,323	70,310,832	70,310,832
b For terminated vested participants.....	195	5,560,391	5,560,391
c For active participants.....	582	38,107,991	39,128,733
d Total.....	2,100	113,979,214	114,999,956
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)..... ☐			
a Funding target disregarding prescribed at-risk assumptions.....	4a		
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor.....	4b		
5 Effective interest rate.....	5	5.72%	
6 Target normal cost.....	6	3,663,627	

Statement by Enrolled Actuary

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

SIGN HERE	Joseph A. Grondin		10/9/2019
	Signature of actuary		Date
Joseph A. Grondin	Type or print name of actuary		1706662
Willis Towers Watson US LLC	Firm name		Most recent enrollment number
			248-936-7700
			Telephone number (including area code)
26555 Evergreen Road	Address of the firm		
Suite 1600			
Southfield MI 48076			

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐

For Paperwork Reduction Act Notice, see the Instructions for Form 5500 or 5500-SF.

Schedule SB (Form 5500) 2018
v. 171027

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21 Discount rate:				
a Segment rates:	1st segment: 3.92 %	2nd segment: 5.52 %	3rd segment: 6.29 %	☐ N/A, full yield curve used
b Applicable month (enter code).....				21b 4
22 Weighted average retirement age				22 63
23 Mortality table(s) (see instructions)	Prior regulation:	☐ Prescribed - combined	☐ Prescribed - separate	☐ Substitute
	Current regulation:	☐ Prescribed - combined	☒ Prescribed - separate	☐ Substitute

Part VI Miscellaneous Items

24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment	☐ Yes ☒ No
25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment	☐ Yes ☒ No
26 Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment	☒ Yes ☐ No
27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment	27

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

28 Unpaid minimum required contributions for all prior years	28	0
29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a).....	29	0
30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	30	0

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):			
a Target normal cost (line 6)	31a	3,663,627	
b Excess assets, if applicable, but not greater than line 31a	31b	0	
32 Amortization installments:			
a Net shortfall amortization installment.....	Outstanding Balance	Installment	
	16,630,677	3,564,980	
b Waiver amortization installment	0	0	
33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	33		
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)....	34	7,228,607	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement.....	0	3,227,906	3,227,906
36 Additional cash requirement (line 34 minus line 35).....	36	4,000,701	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c).....	37	10,148,613	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	6,147,912	
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	3,227,906	
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37).....	39	0	
40 Unpaid minimum required contributions for all years	40	0	

Part IX Pension Funding Relief Under Pension Relief Act of 2010 (See Instructions)

41 If an election was made to use PRA 2010 funding relief for this plan:			
a Schedule elected	☐ 2 plus 7 years	☐ 15 years	
b Eligible plan year(s) for which the election in line 41a was made	☐ 2008	☐ 2009	☐ 2010 ☐ 2011

SCHEDULE SB ATTACHMENTS

Schedule SB – Statement by Enrolled Actuary

Plan Sponsor	MAHLE Industries, Incorporated
EIN/PN	58-2431334/001
Plan Name	MAHLE Industries, Incorporated Retirement Plan
Valuation Date	January 1, 2018
Enrolled Actuary	Joseph A. Grondin
Enrollment Number	17-06662

The actuarial assumptions that are not mandated by IRC § 430 and regulations, represent the enrolled actuary's best estimate of anticipated experience under the plan, subject to the following conditions:

The actuarial valuation, on which the information in this Schedule SB is based, has been prepared in reliance upon the employee and financial data furnished by the plan administrator and the trustee. The enrolled actuary has not made a rigorous check of the accuracy of this information but has accepted it after reviewing it and concluding it is reasonable in relation to similar information furnished in previous years. The amounts of contributions and dates paid shown in Item 18 of Schedule SB were listed in reliance on information provided by the plan administrator and/or trustee.

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2018

See Schedule SB, Part V - Statement of Actuarial Assumptions/Methods for retirement rates. The average retirement age for Line 22 was calculated by determining the average age at retirement for those current active participants expected to reach retirement, based on all current decrements assumed.

Plan Name:	MAHLE Industries, Incorporated Retirement Plan
EIN / PN:	58-2431334 / 001
Plan Sponsor:	MAHLE Industries, Incorporated
Valuation Date	January 1, 2018

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V Statement of Actuarial Assumptions/Methods

Economic Assumptions

Interest rate basis:

■ Applicable month	September
■ Interest rate basis	3-Segment Rates

Interest rates:

	Reflecting Corridors	Not Reflecting Corridors
■ First segment rate	3.92%	1.75%
■ Second segment rate	5.52%	3.76%
■ Third segment rate	6.29%	4.66%
■ Effective interest rate	5.72%	4.06%

Annual rates of increase

■ Compensation ¹	2.00%
■ Cost of living adjustments ²	5.00%
■ Future Social Security wage bases	3.50%
■ Statutory limits on compensation	3.00%

Plan related expenses	\$1,694,000
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¹ Increase in the final average earnings.

² Cost of living adjustments are for the Caldwell Special Age 65 Benefits (premiums for Medicare Part B benefit).

Plan Name: MAHLE Industries, Incorporated Retirement Plan
EIN / PN: 58-2431334 / 001
Plan Sponsor: MAHLE Industries, Incorporated
Valuation Date: January 1, 2018

SCHEDULE SB ATTACHMENTS

Demographic Assumptions

Inclusion date The valuation date coincident with or next following the date on which the employee is hired.

New or rehired employees It was assumed there will be no new or rehired employees.

Mortality

■ **Healthy** The prescribed mortality assumption under Section 430(h)(3)(A) of the Internal Revenue Code using static tables with separate mortality rates for annuitants and non-annuitants and is based on tables issued by the IRS in 2018.

■ **Disabled** The prescribed mortality assumption under Section 430(h)(3)(A) of the Internal Revenue Code using static tables with separate mortality rates for annuitants and non-annuitants and is based on tables issued by the IRS in 2018.

Retirement

For purposes of determining the Funding Target and Target Normal Cost (both disregarding at-risk assumptions), the rates at which participants eligible to retire by age are shown below.

Age	Rate (%)	Age	Rate (%)
55	3	63	20
56	2	64	20
57	2	65	50
58	2	66	50
59	2	67	50
60	5	68	50
61	2	69	50
62	30	70	100

The weighted average retirement is 63, calculated by determining the average age at retirement for those current active participants expected to reach retirement, based on all current decrements assumed.

Terminated vested participants are assumed to commence benefits at age 65. However, participants at Manchester who terminated employment due to plant closure who were eligible to commence early benefits are assumed to commence benefits at age 62.

Plan Name: MAHLE Industries, Incorporated Retirement Plan
EIN / PN: 58-2431334 / 001
Plan Sponsor: MAHLE Industries, Incorporated
Valuation Date: January 1, 2018

SCHEDULE SB ATTACHMENTS

Disability

The rates at which participants become disabled by age and gender are shown below:

Attained Age	Rate (%)	
	Males	Females
20	0.1200	0.1800
25	0.1200	0.1800
30	0.1200	0.1800
35	0.1275	0.1915
40	0.1470	0.2205
45	0.1975	0.2965
50	0.3565	0.5350
55	0.6810	1.0215
60	1.3800	2.0700
65	0.0000	0.0000

Representative termination rates not due to retirement, disability, or mortality

Attained Age	Rate (%)
25	5.91
30	5.61
35	5.31
40	5.01
45	4.71
50	4.19
55	0.00

Benefit commencement date

- Preretirement death benefit Age 65.
- Deferred vested benefit Age 65.
- Disability benefit Age 65.
- Retirement benefit Upon termination of employment

Form of payment

All participants are assumed to elect a single life annuity.

Percent married

80% of participants are assumed married. Used to value pre-retirement surviving spouse benefits.

Spouse age

Wife three years younger than husband.

Plan Name: MAHLE Industries, Incorporated Retirement Plan
EIN / PN: 58-2431334 / 001
Plan Sponsor: MAHLE Industries, Incorporated
Valuation Date: January 1, 2018

SCHEDULE SB ATTACHMENTS

Final average earnings

Assumed final average plan compensation for the year beginning on the valuation date was determined as the final average earnings as of December 31, 2006, increased each year prior to the current plan year, by the general wage increase percentage declared by the employer in the December of the preceding calendar year.

The final average earnings freezes at the time an employee opts out of the plan.

At-risk assumptions

For at-risk calculations, all participants eligible to elect benefits during the current and subsequent ten plan years are assumed to commence benefits at the earliest possible date under the plan, but not before the end of the current plan year, except in accordance with the regular valuation assumptions. In addition, all participants (not just those eligible to begin benefits within the next 11 years) are assumed to elect the most valuable form of benefit under the plan, which is usually the single life annuity form of payment.

Timing of benefit payments

Annuity payments are payable monthly at the beginning of the month.

Methods

Valuation date

First day of plan year

Funding target

Present value of accrued benefits as required by regulations under IRC §430.

Target normal cost

Present value of benefits expected to accrue during the plan year plus plan-related expenses expected to be paid from plan assets during the plan year as required by regulations under IRC §430.

Plan Name:	MAHLE Industries, Incorporated Retirement Plan
EIN / PN:	58-2431334 / 001
Plan Sponsor:	MAHLE Industries, Incorporated
Valuation Date	January 1, 2018

SCHEDULE SB ATTACHMENTS

Actuarial value of assets for determining minimum required contributions

Average of the fair market value of assets on the valuation date and 12 and 24 months preceding the valuation date, adjusted for contributions, benefits, administrative expenses and expected earnings of 5.00% (with such expected earnings limited as described in IRS Notice 2009-22). The average asset value must be within 10% of market value, including discounted contributions receivable (discounted using the effective interest rate for the prior plan year.)

The method of computing the actuarial value of assets complies with rules governing the calculation of such values under the Pension Protection Act of 2006 (PPA). These rules produce smoothed values that reflect the underlying market value of plan assets but fluctuate less than the market value. As a result, the actuarial value of assets will be lower than the market value in some years and greater in other years. However, over the long term under PPA's smoothing rules, the method has a significant bias to produce an actuarial value of assets that is below the market value of assets.

Benefits not valued

The plan pays small benefits (with a present value up to \$5,000 in a single lump sum payment). Such lump sums are not explicitly valued; rather such participants' benefits are valued using the benefit choice assumptions described above.

Data Sources

Participant data

The plan sponsor, through its third party administrator, Aon Hewitt furnished participant data as of the census date. Data were reviewed for reasonableness and consistency, but no audit was performed. There were no adjustments to the data to reflect any significant changes in plan population or events that occurred between the date the data was collected and the measurement date.

We are not aware of any errors or omissions in the data that would have a significant effect on the results of our calculations.

Plan Name:	MAHLE Industries, Incorporated Retirement Plan
EIN / PN:	58-2431334 / 001
Plan Sponsor:	MAHLE Industries, Incorporated
Valuation Date	January 1, 2018

SCHEDULE SB ATTACHMENTS

Asset information

The fair value of plan assets as of December 31, 2017, along with contribution, benefit payments and administrative expenses payable for the January 1, 2017 to December 31, 2017 period was furnished by Gallagher Retirement Services Inc. This data was reviewed for reasonableness and consistency, but no audit was performed.

Assumptions Rationale - Significant Economic Assumptions

Discount rate

The basis chosen was selected by the plan sponsor from among choices prescribed by law, all of which are based on observed market data over certain periods of time.

Rates of increase in:

■ Final average earnings

Assumed compensation increases are based on a combination of assumed future (i) cost-of-living increases (CPI), (ii) productivity increases and (iii) promotional increases. CPI increases assumed are as described below. Productivity increases are consistent with the assumed real increases in NAW described below (i.e., increases in assumed NAW less increases in assumed CPI).

Since annual increases in the final average earnings are limited to 2% by the plan provisions, a 2% final average earnings increase was assumed.

■ National average wages (NAW) (e.g., Social Security wage bases)

The assumed NAW is based on assumed CPI as shown below, plus assumed increases in real wages (the portion of GDP increases that becomes part of wages). Such assumed future increases in real wages are based on historical averages.

■ Increases in statutory limits (CPI)

The assumed CPI increases are based on a combination of historical average CPI increases, current conditions and forecasts prepared by economists.

■ Plan related expenses

Plan related expenses assumed payable from the trust are based on the average of the plan related expenses (excluding PBGC premiums) paid from the trust during the last three plan years, plus the estimated PBGC premium expected to be paid from the trust for the current plan year, rounded to the nearest \$1,000.

Plan Name: MAHLE Industries, Incorporated Retirement Plan
EIN / PN: 58-2431334 / 001
Plan Sponsor: MAHLE Industries, Incorporated
Valuation Date: January 1, 2018

SCHEDULE SB ATTACHMENTS

Assumptions Rationale - Significant Demographic Assumptions

Healthy Mortality	Assumptions used for funding purposes are as prescribed by IRC §430(h).
Termination	Termination rates were based on an experience study conducted in December 2013, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future.
Retirement	Retirement rates were based on an experience study conducted in December 2013, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future.

Source of Prescribed Methods

Funding methods	The methods used for funding purposes as described in Appendix A, including the method of determining plan assets, are "prescribed methods set by law", as defined in the actuarial standards of practice (ASOPs). These methods are required by IRC §430, or were selected by the plan sponsor from a range of methods permitted by IRC §430.
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Changes in Assumptions and Methods

Change in assumptions and methods since prior valuation	<p>The segment interest rates used to calculate the funding target and target normal cost were updated to the current valuation date as required by IRC 430.</p> <p>The mortality table used to calculate the funding target and target normal cost was updated as required by IRC 430.</p> <p>The plan related expenses assumed payable from the pension trust increased from \$1,832,000 for the 2017 plan year to \$1,694,000 for the 2018 plan year.</p>
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Plan Name:	MAHLE Industries, Incorporated Retirement Plan
EIN / PN:	58-2431334 / 001
Plan Sponsor:	MAHLE Industries, Incorporated
Valuation Date	January 1, 2018

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V Summary of Plan Provisions

Summary of principal plan provisions – MAHLE Non-Union

Plan Sponsor

MAHLE Industries, Incorporated

Plan

MAHLE Industries, Incorporated Retirement Plan

Effective Date

The plan was originally effective January 1, 1981, as amended effective September 1, 2013.

Plan Year

The twelve-month period ending December 31.

Eligibility and Participation

Any person who is employed regularly by MAHLE Industries, Incorporated, and has FICA taxes withheld by MAHLE Industries, Incorporated. An individual who performs services for MAHLE Industries, Incorporated, pursuant to an agreement between MAHLE Industries, Incorporated, and a collective bargaining agreement, an employee leasing organization or independent contractor shall not be considered.

Each active employee will become a Participant as of the January 1 on or next following his Employment Date. No new participants will enter after January 1, 2004. Effective May 1, 2007, active Participants, between March 19, 2007 and April 17, 2007, can choose to freeze their benefit in the Pension Plan. This is a one-time irrevocable election.

Vesting Service

Effective January 1, 1999 whole calendar months, of employment. A whole month is graded in the month of employment and month of termination if the Participant is employed for at least 15 days in that month. Before 1999, vesting service was granted on a 1,000 hour rule.

Plan Name:	MAHLE Industries, Incorporated Retirement Plan
EIN / PN:	58-2431334 / 001
Plan Sponsor:	MAHLE Industries, Incorporated
Valuation Date	January 1, 2018

SCHEDULE SB ATTACHMENTS

Benefit Service

The Participant's whole and partial years of Vesting Service, excluding (1) periods before the employer adopted the plan (unless specified), (2) leaves longer than 12 months, (3) periods between date of termination and rehire, (4) periods worked for an employer who did not adopt the plan, (5) periods for which an employee was paid a lump sum, (6) periods covered by another defined benefit plan, and (7) periods after the employee opts out of the plan.

Compensation

The participant's taxable earnings as reported on Form W-2 plus deferrals. Please refer to the Plan document for additional detail.

Final Average Base Earnings

The average of a Participant's greatest five consecutive or non-consecutive calendar years during his final 10 consecutive calendar years of Employment. Plan includes any partial calendar year in the 5 year average, if it yields a higher average. If a participant has fewer than 5 complete years all Earnings are averaged.

After December 31, 2006: Final Average Earnings shall be determined by calculating the Final Average Earnings as of December 31, 2006, increased each year by the general wage increase percentage declared by the employer in the December of the preceding calendar year (not less than 0% nor more than 2%), with increases applied from January 1st to the date of termination on a pro-rata basis.

The Final Average Earnings freezes when an employee opts out of the plan.

Accrued Benefit

For a participant terminating employment on or after his/her Normal Retirement Date, the accrued benefit is a monthly benefit equal to 1/12 of the sum of 1 and 2 multiplied by Years of Benefit Service not in excess of 30:

1. 0.9 percent of his Final Average Earnings not in excess of Covered Compensation
2. 1.525 percent of his Final Average Earnings in excess of Covered Compensation

Minimum Monthly Benefit is \$6.50 times Benefit Service not in excess of 30 years.

Plan Name:	MAHLE Industries, Incorporated Retirement Plan
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Plan Sponsor:	MAHLE Industries, Incorporated
Valuation Date	January 1, 2018

SCHEDULE SB ATTACHMENTS

For a participant who terminated employment prior to his/her Normal Retirement Date, the above calculation is determined assuming he/she continues to earn benefit service to the Normal Retirement Date, but Final Average Earnings and Covered Compensation is determined as of the termination date. The projected benefit is then multiplied by the ratio of the number of years of benefit service at termination to the number of years of benefit service projected at the Normal Retirement Date.

Normal or Late Retirement Benefit

Eligibility: Later of Age 65 or the fifth anniversary of Employment

Benefit: Accrued Benefit at Normal or Late Retirement Date.

Early Retirement Benefit

Eligibility: Age 55 and 10 years of Vesting Service.

Benefit: Accrued Benefit reduced by 5/9% for first five years and 5/18% for next five years benefit begins prior to the normal retirement date.

Disability Benefit

If a Participant becomes disabled after 5 years of Vesting Service, he continues to accrue service and compensation continues at the same rate until his Early or Normal Retirement Date. Upon retirement, the Early or Normal Retirement Benefit is payable. The Final Average Earnings and Covered Compensation are frozen at the disability date.

For employees who opted out, the benefit is based on the May 1, 2007 frozen benefit, reduced for early retirement.

Vested Benefits upon Termination of Service

Eligibility: 5 years of Vesting Service.

Benefit: Accrued Benefit payable at age 65.

Early Commencement of Benefit: Participants who have completed 10 years of vesting service may elect to begin receiving a reduced benefit as early as age 55. Accrued benefit reduced 5/9% for the first five years and 5/18% for the next five years benefit begins prior to the normal retirement date.

Plan Name:	MAHLE Industries, Incorporated Retirement Plan
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Plan Sponsor:	MAHLE Industries, Incorporated
Valuation Date	January 1, 2018

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Normal Form of Retirement Income

The normal form of benefit is a monthly annuity payable for the life of the participant. If married, then the 50% Joint and Survivor annuity will be payable to the employee during his lifetime with 50% of such reduced amount payable to his surviving spouse after his death, unless the retiree elects otherwise in writing and the spouse consents.

Optional Forms

Joint and Survivor Annuities:

1. Life only
2. 50% Joint and Survivor, 66-2/3% Joint and Survivor, 75% Joint and Survivor and 100% Joint and Survivor
3. 10 Years Continuous and Life
4. Lump sum is automatically payable if amount is less than or equal to \$5,000.

Actuarial Equivalence

Lump Sum: Participant shall receive a single sum payment calculated using the applicable segment rates for the fourth month preceding the first day of the calendar quarter commencing January, April, July and October in which payment is made and the applicable mortality table described in IRC Section 417(c)(3).

Other: 7% interest rate and the 1971 Forecast Mortality Table with a one-year age setback for participants and a five-year age setback for beneficiaries.

Pre-Retirement Death Benefits

If the Participant is not vested, no death benefits are payable. If the participant is vested, then the death benefit is 50% of the amount that would have been payable to the Participant under the 50% Joint and Survivor option assuming the participant had terminated employment on the earlier of his termination date or date of death, survived to the early retirement date, had begun receiving benefits that day under the 50% Joint and Survivor form of payment and died the next day.

Post-Retirement Death Benefits

None except as provided by the annuity form elected.

Plan Name:	MAHLE Industries, Incorporated Retirement Plan
EIN / PN:	58-2431334 / 001
Plan Sponsor:	MAHLE Industries, Incorporated
Valuation Date	January 1, 2018

SCHEDULE SB ATTACHMENTS

Employee Contributions

They are not required or permitted.

2007 Voluntary Retirement Opportunity (VRO)

A participant who retired under the 2007 VRO shall have his early retirement benefit determined by increasing his Benefit Service by an additional three years (up to a maximum of 30 years of Benefit Service) and be deemed three years older than the participant's actual age (up to a maximum of age 65). Employees eligible for the 2007 VRO are participants at the Morristown, Tennessee facility who are at least age 55 with 10 or more years of service as of March 30, 2007, who elect the special benefits between December 11, 2006 and March 30, 2007, retires between January 1, 2007 and March 30, 2007, and sign an appropriate waiver and release.

2009 Voluntary Retirement Opportunity (VRO)

A participant who retired under the 2009 Voluntary Retirement Opportunity (2009 VRO) shall have his early retirement benefit determined by increasing his Benefit Service by an additional three years (up to a maximum of 30 years of Benefit Service) and be deemed three years older than the participant's actual age (up to a maximum of age 65). Employees eligible for the 2009 VRO are participants who are at least age 55 with 10 or more years of service as of January 5, 2009, who elect the special benefit between November 4, 2008 and January 8, 2009, retire between January 1, 2009 and February 1, 2009, and sign an appropriate waiver and release.

2013 Lump Sum Window

A participant who terminated employment on or prior to April 30, 2013 may elect between September 2, 2013 and October 16, 2013 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2013. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to November 1, 2013, the actuarial equivalent of the early retirement benefit, if larger.

2017 Lump Sum Window

A participant who terminated employment on or prior to June 30, 2017 may elect between September 15, 2017 and October 31, 2017 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2017. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to December 1, 2017 the actuarial equivalent of the early retirement benefit if larger.

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Maximum on Benefits and Compensation

All benefits and compensation for any calendar year may not exceed the maximum limits for that year as defined by the Internal Revenue Code. The plan provides for increasing the dollar limits automatically as such changes become effective.

Substantive Commitments

No substantial commitments other than the above plan provisions have been included in the valuation.

Changes in plan provisions since last actuarial valuation

A lump sum window was offered to terminated vested participants in the fourth quarter of 2017.

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Summary of principal plan provisions – Caldwell Union

Plan Sponsor

MAHLE Industries, Incorporated

Former Plan

MAHLE Caldwell Plant Hourly Employees Pension Plan

Effective Date and Most Recent Amendment

The plan was originally effective January 1, 1988 and later amended and restated effective December 31, 2001 and further amended effective January 1, 2011 and as of September 1, 2013.

Plan Year

The twelve-month period ending December 31.

Coverage and Participation

Hourly paid employees at employer's Caldwell, Ohio plant (United Steel Workers of America AFL-CIO Local 4836). Plan frozen December 31, 2001. There will be no new plan participants after this date.

Credited Service

For hours as an employee of the company while covered by the CBA,

Maximum Credited Service is 38 years

Credited service is frozen at 12/31/2001

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Hours of Service During Plan Year	Portion of Year of Credited Service
Less than 85	0.0
85-254	.1
255-424	.2
425-594	.3
595-764	.4
765-934	.5
935-1,104	.6
1,105-1,274	.7
1,275-1,444	.8
1,445-1,614	.9
1,615 and over	1.0

Vesting Service

Elapsed time from date of hire to the date employment with the employer terminates. Vesting Service is determined in fractional years to the nearest one-twelfth.

Normal Retirement Benefit

Eligibility: Age 65.

Monthly Benefit: Accrued benefit determined at the normal retirement date

Late Retirement

Eligibility: Retirement after the normal retirement date.

Monthly Benefit: Accrued benefit determined at date of postponed retirement (actuarially increased after April 1st of calendar year following attainment of age 70.5, while benefits suspended).

Accrued Benefits

Monthly accrued benefit is the product of \$24.00 and years of credited service (not more than 38).

Early Retirement Benefit

Eligibility: Age 60 and 10 years of vesting service.

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Monthly Benefit: Accrued benefit determined at early retirement, reduced 0.4% per month for commencement prior to normal retirement age.

Disability Benefit

Eligibility: Disablement after completing 10 years of vesting service

Monthly Benefit: Accrued benefit determined at date of disability.

Vested Benefits Upon Termination of Service

Eligibility: 5 years of vesting service.

Benefit Payable at Normal Retirement Date: Accrued benefit at date of termination.

Early Commencement of Benefit: Eligible upon attainment of age 60. Accrued benefit is reduced by 0.5% per month for commencement prior to normal retirement date.

Medicare Part B Benefit

Eligibility: Retirement under normal, early, late or disability provisions and enrolled in Medicare.

Monthly Benefit: The current premium payable to the retiree (not spouse) for Medicare Part B coverage, \$134.00 in 2017. The premium is assumed to increase in future years.

Pre-Retirement Death Benefits

Paid to a participant's surviving spouse, if any, equal to 52% of the benefit that the participant would have received if he had retired on his date of death and elected an immediate benefit in a joint and 52% survivor form, or, in the case of a participant who dies before becoming eligible for payment of benefits, the benefit that would have been payable had he terminated employment on the earlier of his termination date or date of death, survived to the early retirement date, elected the 52% joint and survivor annuity and died the following day.

The benefit payable to the member's spouse is reduced 1% for each year, if any, by which the spouse is more than 5 years younger than the employee at his death (but not in excess of 10%).

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Normal Form of Retirement Income

Single employees and employees married less than one year: Life annuity.

All others: 52% qualified joint and survivor annuity.

Optional Forms of Retirement Income in Lieu of Normal Form

1. Life only
2. 52% joint and survivor and 75% joint and survivor
3. Lump sum of the present value of the accrued normal retirement benefit (excluding any Medicare Part B benefit) is automatically payable if amount is less than \$5,000

Actuarial Equivalence

Lump Sum Participants shall receive the larger of the benefit calculated using the following actuarial factors:

1. The annual interest rate on 30-year Treasury securities for the November before the beginning of the plan year and the Mortality Table described in R.R. 2001-62.
2. The applicable segment rates for the fourth month preceding the first day of the calendar quarter commencing January, April, July and October in which payment is made, and applicable mortality table described in IRC sections 417(e)(3).

52% Joint and Survivor Annuity: 93% plus or minus 0.5% for each full year the spouse is older or younger than the retiree.

Others: 7.00% interest rate and 1971 GAM mortality.

Employee Contributions

They are not required or permitted.

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2013 Lump Sum Window

A participant who terminated employment on or prior to April 30, 2013 may elect between September 2, 2013 and October 16, 2013 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2013. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to November 1, 2013, the actuarial equivalent of the early retirement benefit, if larger.

2017 Lump Sum Window

A participant who terminated employment on or prior to June 30, 2017 may elect between September 15, 2017 and October 31, 2017 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2017. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to December 1, 2017 the actuarial equivalent of the early retirement benefit if larger.

Substantive Commitments

No substantive commitments other than the above plan provisions have been included in this valuation.

Changes in Plan Provisions Since Last Actuarial Valuation

A lump sum window was offered to terminated vested participants in the fourth quarter of 2017.

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Summary of principal plan provisions – Churubusco Union

Plan Sponsor

MAHLE Industries, Incorporated

Former Plan

MAHLE Pension Plan for Hourly Paid Employees at the Churubusco, IN Plant

Effective Date and Most Recent Amendment

The plan was originally effective March 8, 1967 and later amended and restated effective November 8, 2005 and further amended effective January 1, 2011 and as of September 1, 2013.

Plan Year

The twelve-month period ending December 31.

Coverage and Participation

All employees who are members of District Lodge No. 090, Local Lodge No. 2034, of the International Association of Machinists and Aerospace Workers, AFL-CIO.

Credited Service

1. All full and fractional years of service since March 8, 1967 while on the seniority list; plus
2. All full and fractional years of past service from the seniority date to March 8, 1967.
3. Reinstatement of Credited Service available for loss of seniority after October 18, 1975 or for re-employment after retirement; Credited Service is aggregated, but future benefit is offset by actuarial equivalent of benefits previously paid.
4. Employee retiring under the plan also receives Credited Service for eligibility for all service with the Corporation.
5. Accumulation of up to 5 years of Credited Service while on approved leave of absence or layoff.

Vesting Service

All service with corporation.

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Normal Retirement Benefit

Eligibility: Age 65.

Benefit: Accrued benefit determined at normal retirement date.

Late Retirement Benefit

Eligibility: Retirement after normal retirement date.

Monthly Benefit: Accrued benefit determined at the date of postponed retirement (actuarially increased after April 1st of calendar year following attainment of age 70.5, while benefits suspended)

Accrued Benefit

Monthly accrued benefit is the product of \$23.00 and years of credited service (not more than 44 years if seniority date is before January 2, 1968, 40 years if seniority date is between January 2, 1968 and January 1, 1980, 35 years if seniority date is between January 2, 1980 and November 4, 2007).

Early Retirement Benefit

Eligibility: Age 60 and 10 years of credited service.

Monthly Benefit: Accrued benefit determined at early retirement, reduced by 0.5% per month for commencement prior to age 62.

Disability Benefit

Eligibility: Totally and permanently disabled, as determined by the plan sponsor after attaining age 50 with 10 years of credited service.

Benefit: Accrued benefit determined at date of disability.

Waiting Period: 6 months.

Vested Benefits Upon Termination of Service

Eligibility: 5 years of vesting service.

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Benefit Payable at Normal Retirement Date: Accrued benefit at date of termination.

Early Commencement of Benefit: Eligible after completion of 10 years of credited service and attainment of age 60. Accrued benefit is reduced by 0.5% per month for commencement prior to the normal retirement date.

Supplemental Benefit

Eligibility: Retirement under Early or Disability provisions and attainment of age 60 and 30 years of credited service.

Benefit: Effective May 1, 1999, a monthly benefit of \$10.00 times years of credited service (not more than 44 years if seniority date is before January 2, 1968, 40 years if seniority date is between January 2, 1968, 35 years if seniority date is on or after January 2, 1980) is payable until age 62 to the employee (not a surviving spouse).

Pre-Retirement Death Benefits

Eligibility: Former and active vested employees and retirees who have elected the normal form of the survivor benefit and who have been married at least one year.

Benefit:

1. Active Vested and Terminated Vested Employees Eligible for Early or Normal Retirement:

Monthly survivor benefit shall be equal to 50% of the early benefit the employee would have received had he retired the day before his death and elected the 50% joint and survivor form of payment. Benefit payment begins on the first day of the month following the date of death.

2. Active Vested and Terminated Vested Employees Not Eligible for Normal or Early Retirement:

Monthly survivor benefit shall be equal to 50% of the monthly benefit to which the employee would have been entitled had he terminated on the earlier of his termination date or date of death, survived to the earliest commencement date, commenced receiving payments that day after electing the 50% joint and survivor form of payment, and died the next day. Benefit payment begins on early retirement date.

Normal Form of Retirement Income

Normal form of payment is a monthly annuity for the life of the participant. If married, the 50% joint and survivor option will be deemed to have been elected, unless the retiree elects otherwise in writing and the spouse consents.

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Single employees and employees married less than one year: Life annuity

All others: 50% joint and survivor annuity

Optional Forms of Retirement Income in Lieu of Normal Form

1. Life only
2. 50% joint and survivor and 75% joint and survivor
3. Lump sum is automatically payable if amount is less than \$1,000
4. Lump sum of the present value of the accrued normal retirement benefit (excluding any 30-year supplement) is payable if amount is less than \$5,000 (\$30,000 for employees eligible for Plant Closing Benefit).

Actuarial Equivalence

Lump Sum: The applicable segment rates for the fourth month preceding the first day of the calendar quarter commencing January, April, July and October in which payment is made and the applicable mortality table described in section 417(e)(3).

Other: 7.00% interest rate and UP-1984 mortality, set forward one year.

Employee Contributions

They are not required or permitted.

2013 Lump Sum Window

A participant who terminated employment on or prior to April 30, 2013 may elect between September 2, 2013 and October 16, 2013 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2013. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to November 1, 2013, the actuarial equivalent of the early retirement benefit, if larger.

2017 Lump Sum Window

A participant who terminated employment on or prior to June 30, 2017 may elect between September 15, 2017 and October 31, 2017 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than

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December 31, 2017. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to December 1, 2017 the actuarial equivalent of the early retirement benefit if larger.

Substantive Commitments

No substantive commitments other than the above plan provisions have been included in this valuation.

Changes in Plan Provisions Since Last Actuarial Valuation

A lump sum window was offered to terminated vested participants in the fourth quarter of 2017.

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Summary of principal plan provisions – Franklin Union

Plan Sponsor

MAHLE Industries, Incorporated

Former Plan

MAHLE – UAW Pension Plan for Hourly Employees at the Perfect Circle Division Cast Iron Plant in Franklin, Kentucky

Effective Date and Most Recent Amendment

The plan was originally effective January 1, 1999 and later amended and restated effective January 25, 2004 and further amended effective January 1, 2012 and as of September 1, 2013.

Plan Year

The twelve-month period ending December 31.

Coverage and Participation

All employees working for the Company at the Cast Iron Plant in Franklin, Kentucky, who are covered by the collective bargaining agreement between the Company and the Union (UAW Local 2370).

Credited Service

Prior to February 7, 1997: As earned under the SPX Franklin Plan.

On or after February 7, 1997 and on or before December 31, 1998: Each year during which any employee completed 1,000 hours of service under the Savings Plan.

On or after January 1, 1989: Employee will receive 1/12 of a year for each month the employee is on the active payroll and has at least one hour of service.

Vesting Service

All service with the Corporation.

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Accrued Benefit

Monthly accrued benefit is the product of \$19.00 and years of credited service less the product of \$10.00 and years of credited service earned prior to January 1, 1999.

Normal Retirement Benefit

Eligibility: Age 65.

Benefit: Accrued benefit determined at normal retirement date.

Late Retirement Benefit

Eligibility: Retirement after normal retirement date.

Monthly Benefit: Accrued benefit determined at the date of postponed retirement (actuarially increased after April 1st of calendar year following attainment of age 70.5, while benefits suspended).

Early Retirement Benefit

Eligibility: Age 60 and 10 years of credited service.

Monthly Benefit: Accrued benefit determined at early retirement, reduced by 0.5% per month for commencement prior to age 62. After age 62, an unreduced benefit is payable (i.e., benefit "pops up" to an unreduced benefit at age 62).

Special Early Retirement: Effective May 1, 2001, if an employee is eligible for early retirement, he will receive a temporary benefit of \$400 per month, until he attains age 62.

Disability Benefit

There are no explicit disability benefits provided under this plan. Employees who terminate employment may receive early retirement or vested termination benefits, if eligible.

Vested Benefits Upon Termination of Service

Eligibility: 5 years of vesting service.

Benefit Payable at Normal Retirement Date: Accrued benefit at date of termination.

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Early Commencement of Benefit: Eligible after attaining age 60 and completing 10 years of credited service. Accrued benefit is reduced by 0.5% per month for commencement prior to the normal retirement date.

Medicare Part B Benefit

Eligibility: Retiree or surviving spouse receiving benefits following normal, early or late (but not deferred vested) retirement, who is age 65 or over or otherwise eligible for Medicare Part B.

Monthly Benefit: Effective on or after January 1, 2003, \$60.00 per month after age 65, or earlier eligibility for Medicare Part B.

Pre-Retirement Death Benefits

Eligibility: Former and active vested employees and retirees who have elected the normal form of the survivor benefit and who have been married at least one year.

Amount of Benefit:

1. Active Vested and Terminated Vested Employees Eligible for Early or Normal Retirement:

Monthly survivor benefit shall be equal to 60% of the accrued benefit the employee would have received had he retired the day before his death. Benefit payment begins on the first day of the month following the date of death.

2. Active Vested and Terminated Vested Employees Not Eligible for Early or Normal Retirement:

Monthly survivor benefit shall be equal to 50% for which the employee would have been entitled had he terminated on the earlier of his termination date or date of death, survived to early retirement date and had begun receiving benefits that day, and died the next day. Benefit payment begins on early retirement date.

3. Retired Employees:

Monthly survivor benefit shall be equal to 60% for which retiree was eligible. Benefit payment begins on the first day of the month following the date of death.

Reduction: An employee who elects the survivor's benefit receives 90% of accrued benefit during his lifetime in order to provide for the surviving spouse. This percentage (90%) shall be reduced 0.5% for each year that the spouse's age is younger than the employee's age by more than 10 years.

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Duplication Clause: Survivor benefit not payable concurrently with group insurance transition or bridge benefits.

Normal Form of Retirement Income

Single Employees and Employees Married Less than One Year: Life annuity.

All Others: 90% of the retirement income payable to the employee during his lifetime (adjusted if the spouse's age differs more than 10 years from the employee's) with 60% of such reduced amount payable to his surviving spouse after his death. If the QJSA is in effect and the spouse predeceases the retiree the basic pension benefit shall be restored to the amount payable without the QJSA election on the first day of the 3rd month after the Company receives evidence of the spouse's death.

Optional Forms of Retirement Income in Lieu of Normal Form

1. Life only
2. 60% joint and survivor and 75% joint and survivor.
3. Lump sum is automatically payable if amount is less than \$1,000. Lump sums between \$1,000 and \$5,000 are payable upon the participants' election, with spousal consent.
4. Lump sums in excess of \$5,000 are available to active employees who are terminated due to the plant closing, as described below.

Actuarial Equivalence

Lump Sum:

Participant shall receive the larger of the benefits calculated using the following actuarial factors:

1. The applicable segment rates for the November before the beginning of the plan year and the mortality table described in RR 2001-62.
2. The applicable segment rates for the fourth month preceding the first day of the calendar quarter commencing January, April, July and October in which payment is made and applicable mortality table described in IRC section 417(e)(3).

Others: 7.00% interest rate and Applicable Mortality Table (RR 2001-62).

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Plant Closing Optional Lump Sums

Employees who terminate employment due to the plant closure occurring in late 2010 through late 2011 are eligible to elect a special lump sum payment upon termination equal to the value of their accrued benefit, including all early retirement subsidies and the value of their Medicare Part B Benefit, if eligible. The lump sums are calculated using the applicable segment rates for the November before the beginning of the plan year and the applicable mortality tables described in IRC Section 417(e)(3). Lump sums may not decrease below the de minimus lump sum amounts otherwise payable under the plan.

Employee Contributions

Employee contributions are not required or permitted.

2013 Lump Sum Window

A participant who terminated employment on or prior to April 30, 2013 may elect between September 2, 2013 and October 16, 2013 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2013. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to November 1, 2013, the actuarial equivalent of the early retirement benefit, if larger.

2017 Lump Sum Window

A participant who terminated employment on or prior to June 30, 2017 may elect between September 15, 2017 and October 31, 2017 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2017. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to December 1, 2017 the actuarial equivalent of the early retirement benefit if larger.

Substantive Commitments

No substantive commitments other than the above plan provisions have been included in this valuation.

Changes in Plan Provisions Since Last Actuarial Valuation

A lump sum window was offered to terminated vested participants in the fourth quarter of 2017.

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Summary of principal plan provisions – Manchester Union

Plan Sponsor

MAHLE Industries, Incorporated

Former Plan

MAHLE Manchester Plant Hourly Employees Pension Plan

Effective Date and Most Recent Amendment

The plan was originally effective February 7, 1997 and later amended and restated effective June 1, 2003 and further amended effective January 1, 2011 and as of September 1, 2013.

Plan Year

The twelve-month period ending December 31.

Coverage and Participation

All employees within the bargaining unit (International Association of Machinists and Aerospace Workers of America, District No. 9). Any person who first becomes an employee or a member of the bargaining unit on or after October 1, 2007 will not be eligible to participate in the plan.

Credited Service

Prior to February 7, 1997: As earned under the SPX Manchester Plant Pension Plan.

After February 7, 1997: Any calendar year in which the employee has 1,800 or more "credited hours" shall be counted as one year of Credited Service. If employee has less than 1,800 "credited hours", a proportionate credit will be given according to the following schedule:

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Credited Hours	Credited Service
0	None
1-180	1/10 of a year
180.1-360	2/10 of a year
360.1-540	3/10 of a year
540.1-720	4/10 of a year
720.1-900	5/10 of a year
900.1-1,080	6/10 of a year
1,080.1-1,260	7/10 of a year
1,260.1-1,440	8/10 of a year
1,440.1-1,620	9/10 of a year
1,620.1 or more	one year

Service prior to February 7, 1997 is recognized for eligibility to participate, eligibility to receive early retirement subsidies, subsidized actuarial factors, retirement supplements and disability benefits, and vesting.

No pre-February 7, 1997 Credited Service recognized for benefit accruals, except specifically recognized to reflect benefit increases.

Credited service for purposes of determining benefit amounts was frozen at October 1, 2007.

Vesting Service

Prior to February 7, 1997: As earned under the SPX Manchester Plant Pension Plan.

After February 7, 1997: Any calendar year in which the employee has 1,000 or more hours shall be counted as one year of Vesting Service. If employee has less than 1,000 hours, a proportionate credit will be given according to the following schedule:

Credited Hours	Credited Service
0	None
1-180	1/10 of a year
180.1-360	2/10 of a year
360.1-540	3/10 of a year
540.1-720	4/10 of a year
720.1-900	5/10 of a year
900.1-999	6/10 of a year

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Accrued Benefit

Monthly accrued benefit is the product of \$30.00 and years of credited service (including pre 2/7/1997 service) less the product of \$23.00 and years of credited service earned prior to 2/7/1997.

Normal Retirement Benefit

Eligibility: The later of the first day of the month following or coinciding with attainment of age 65 and the fifth anniversary of plan participation.

Benefit: Accrued benefit determined at normal retirement date.

Late Retirement Benefit

Eligibility: Retirement after normal retirement date.

Monthly Benefit: The greater of 1 and 2 (actuarially increased after April 1st of calendar year following attainment of age 70.5, while benefits suspended)

1. Accrued benefit determined at the date of postponed retirement.
2. Accrued benefit determined at normal retirement age, actuarially increased to reflect the later payment date.

Early Retirement Benefit

Eligibility: Age 55 and 10 years of credited service.

Monthly Benefit: Accrued benefit determined at early retirement, reduced by 0.5% per month for commencement prior to age 62.

Disability Benefit

Eligibility: An employee who becomes disabled after attaining 10 years of credited service. (Prior plan service is eligible for meeting 10 year service requirement.)

Benefit: Accrued benefit determined at date of disability.

Waiting Period: 6 months.

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Vested Benefits upon Termination of Service

Eligibility: 5 years of vesting service.

Benefit Payable at Normal Retirement Date: Accrued benefit at date of termination.

Early Commencement of Benefit: Eligible upon attainment of age 55. Accrued benefit is reduced by 0.5% per month for commencement prior to the normal retirement date.

Pre-Retirement Death Benefits

Eligibility: Former and active vested employees and retirees who have elected the normal form of the survivor benefit and who have been married at least one year.

Amount of Benefit:

1. Active Vested and Terminated Vested Employees Eligible for Early or Normal Retirement:

Monthly survivor benefit shall be equal to 50% of the accrued benefit the employee would have received had he retired the day before his death and elected the 50% joint and survivor form of payment. Benefit payment begins on the first day of the month following the date of death.

2. Active Vested and Terminated Vested Employees Not Eligible for Early or Normal Retirement:

Monthly survivor benefit shall be equal to 50% for which the employee would have been entitled had he terminated on the earlier of his termination date or date of death, survived to the early retirement date, elected the 50% joint and survivor annuity, and died the next day. Benefit payment begins on early retirement date.

Normal Form of Retirement Income

Single Employees and Employees Married Less than One Year: Life annuity.

All Others: 50% qualified joint and survivor annuity.

Optional Forms of Retirement Income in Lieu of Normal Form

1. Life only
2. 50% joint and survivor and 75% joint and survivor
3. 10 year period certain and life annuity.

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4. Lump sum of the larger of the present value of the accrued normal retirement benefit and the early retirement benefit (if eligible to commence benefits) is payable if amount is less than or equal to \$25,000.
5. Lump sum is automatically payable if amount is less than \$1,000.

Actuarial Equivalence

Lump Sum: Participant shall receive the larger of the benefits calculated using the following actuarial factors:

1. Annual interest rate on 30 year Treasury securities for the November before the beginning of the plan year and the mortality table described in RR 2001-62.
2. The applicable segment rates for the fourth month preceding the first day of the calendar quarter commencing January, April, July and October in which payment is made and applicable mortality table described in IRC section 417(e)(3).

Other: 5.00% interest rate and UP-1984 mortality, but for optional payment forms, use Appendix A in plan document.

Employee Contributions

They are not required or permitted.

2013 Lump Sum Window

A participant who terminated employment on or prior to April 30, 2013 may elect between September 2, 2013 and October 16, 2013 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2013. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to November 1, 2013, the actuarial equivalent of the early retirement benefit, if larger.

2017 Lump Sum Window

A participant who terminated employment on or prior to June 30, 2017 may elect between September 15, 2017 and October 31, 2017 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2017. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to December 1, 2017 the actuarial equivalent of the early retirement benefit if larger.

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Substantive Commitments

No substantive commitments other than the above plan provisions have been included in this valuation.

Changes in Plan Provisions Since Last Actuarial Valuation

A lump sum window was offered to terminated vested participants in the fourth quarter of 2017.

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Plan Sponsor:	MAHLE Industries, Incorporated
Valuation Date	January 1, 2018

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Summary of principal plan provisions – Muskegon Union

Plan Sponsor

MAHLE Industries, Incorporated

Former Plan

MAHLE Muskegon Plant Hourly Employees' Pension Plan

Effective Date and Most Recent Amendment

The plan was originally effective February 7, 1997 and later amended and restated effective July 14, 2004 and further amended effective January 1, 2011 and as of September 1, 2013.

Plan Year

The twelve-month period ending December 31.

Coverage and Participation

All employees employed by the Company on or after February 7, 1997 within the bargaining unit (International Union, United Automobile, Aerospace and Agricultural Implement Workers of America (U.A.W.), Local 637).

Credited Service

Prior to February 7, 1997: As earned under the SPX Muskegon Plant Pension Plan.

After February 7, 1997: Any calendar year in which the employee has 1,800 or more "credited hours" shall be counted as one year of Credited Service. If employee has less than 1,800 "credited hours", a proportionate credit will be given according to the following schedule:

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Credited Hours	Credited Service
0	None
1-180	1/10 of a year
180.1-360	2/10 of a year
360.1-540	3/10 of a year
540.1-720	4/10 of a year
720.1-900	5/10 of a year
900.1-1,080	6/10 of a year
1,080.1-1,260	7/10 of a year
1,260.1-1,440	8/10 of a year
1,440.1-1,620	9/10 of a year
1,620.1 or more	one year

Service prior to February 7, 1997 will be included in determining (1) eligibility to participate, (2) eligibility to receive early retirement subsidies, subsidized actuarial factors, retirement supplements and disability benefits, (3) eligibility for normal, early and vested benefits, but not for benefit accruals except to the extent specifically recognized to reflect benefit increases or supplemental amounts after the closing date.

If employee at February 7, 1997 elected to receive amounts or lump sums when transferring from SPX, the service earned prior to February 7, 1997 shall not be included for determining eligibility for retirement supplements or for benefit increases attributable to employment prior to February 7, 1997.

Vesting Service

Prior to February 7, 1997: As earned under the SPX Muskegon Plant Pension Plan.

After February 7, 1997: Any calendar year in which the employee has 1,000 or more hours shall be counted as one year of Vesting Service. If employee has less than 1,000 hours, a proportionate credit will be given according to the following schedule:

Credited Hours	Credited Service
0	None
1-180	1/10 of a year
180.1-360	2/10 of a year
360.1-540	3/10 of a year
540.1-720	4/10 of a year
720.1-900	5/10 of a year
900.1-999	6/10 of a year

Accrued Benefit

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Monthly accrued benefit is the product of \$33.00 and years of credited service (including pre 2/7/1997 service) less the product of \$26.00 and years of credited service earned prior to 2/7/1997.

Normal Retirement Benefit

Eligibility: The later of the first day of the month following or coinciding with attainment of age 65 and the fifth anniversary of plan participation.

Benefit: Accrued benefit determined at normal retirement date.

Late Retirement Benefit

Eligibility: Retirement after normal retirement date.

Monthly Benefit: The greater of 1 and 2 (actuarially increased after April 1st of calendar year following attainment of age 70.5, while benefits suspended)

1. Accrued benefit determined at the date of postponed retirement.
2. Accrued benefit determined at normal retirement age, actuarially increased to reflect the later payment date.

Early Retirement Benefit

Eligibility: Earlier of 1, 2, or 3:

1. Age 60 and 10 years of credited service.
2. Age 55 and age plus credited service equals 85 or more.
3. 30 years of credited service.

Monthly Benefit: Accrued benefit determined at early retirement, multiplied by the following:

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Number of Years Before SSURA ¹	Early Retirement Percentage	Number of Years Before SSURA	Early Retirement Percentage
18	30.4	10	57.9
17	32.8	9	63.5
16	35.4	8	69.4
15	38.3	7	75.2
14	41.5	6	80.8
13	45.0	5	86.7
12	48.9	4	93.3
11	53.2	3 and less	100.0

¹ Social Security Unreduced Retirement Age

Provided that:

Pension benefit including benefit to surviving spouse, will be unreduced for age after age 62 for employee retiring with the sum of age and credited service totaling 85 or more. Pension benefit will be unreduced for age at retirement for employees retiring with 30 or more years of credited service.

Disability Benefit

Eligibility: An employee who becomes disabled after attaining 10 or more years of credited service, and is under age 62.

Monthly Benefit: Accrued benefit determined at date of disability plus a temporary benefit (not more than \$400 per month) equal to the product of \$33.00 and credited service earned after February 7, 1997, payable until employee becomes eligible for a Social Security benefit.

Waiting Period: 6 months

Vested Benefits Upon Termination of Service

Eligibility: 5 years of vesting service.

Benefit Payable at Normal Retirement Date: Accrued benefit at date of termination.

Early Commencement of Benefit: Eligible (1) after completion of 10 years of credited service and attainment of age 60, or (2) at age 55 with 85 points, or (3) after completion of 30 years of credited service. Accrued benefit is reduced by 0.5% per month for commencement prior to the normal retirement date.

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Supplemental Benefit

Eligibility: An employee who retires under the normal, early or disability provisions and who:

1. Retires before age 62 with 30 or more years of credited service, or,
2. Retires before age 62 with the sum of age and credited service totaling 85 or more

Early Retirement Supplement:

1. Payable until age 62 to those retirees with 30 or more years of credited service;
2. The benefit is \$550 less \$350 times the ratio of Past Service Credits to 30 years per month for terminations after December 31, 2000.

Interim Supplement:

1. Payable until age 62 to those retirees with age and service totaling 85 points or more, but not with 30 or more years of service.
2. The benefit is \$7.50 times years of credited service (earned after February 7, 1997) reduced for early retirement.

Medicare Part B Benefit

Eligibility: Retirement under normal, early, late or disability provisions and enrolled in Medicare.

Monthly Benefit: Effective January 1, 2002, \$28.00 per month after age 65, or earlier if receiving Social Security disability benefits for at least 24 months. Medicare Part B benefit is not payable to a surviving spouse.

Pre-Retirement Death Benefits

Eligibility: Former and active vested employees and retirees who have elected the normal form of the survivor benefit.

Benefit:

1. Active Vested and Terminated Vested Employees Eligible for Early or Normal Retirement:

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Monthly survivor benefit shall be equal to 55% of the accrued benefit the employee would have received had he retired the day before his death and elected the 55% joint and survivor annuity. Benefit payment begins on the first day of the month following the date of death.

2. Active Vested and Terminated Vested Employees Not Eligible for Normal or Early Retirement:

Monthly survivor benefit shall be equal to 55% of the monthly benefit to which the employee would have been entitled had he terminated on the earlier of his termination date or date of death, survived to the early retirement date, elected the 55% joint and survivor annuity, and died the next day. Benefit payment begins on early retirement date.

Normal Form of Retirement Income

Single employees and employees married less than one year: Life annuity

All others: 55% qualified joint and survivor annuity

Optional Forms of Retirement Income in Lieu of Normal Form

1. Life only
2. 55% joint and survivor and 75% joint and survivor
3. Lump sum distribution of the larger of the benefit the participant could receive at the normal retirement date or early retirement date (if eligible to commence benefits for early retirement), if less than or equal to \$40,000. The lump sum will include any supplements and/or Medicare Part B benefit for which the participant is eligible to receive.
4. Lump sum is automatically payable if amount is less than or equal to \$1,000

If the 55% QJSA is in effect and the spouse predeceases the retiree, the basic pension benefit shall be restored to the amount payable without the QJSA elections.

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Actuarial Equivalence

Lump Sum:

Participant shall receive the larger of the benefits calculated using the following actuarial factors:

1. Annual interest rate on 30 year Treasury securities for the November before the beginning of the plan year and the mortality table described in RR 2001-62.
2. The applicable segment rates for the fourth month preceding the first day of the calendar quarter commencing January, April, July and October in which payment is made and applicable mortality table described in IRC section 417(e)(3).

55% qualified joint and survivor annuity;

95% adjusted 0.5% for each full year the spouse's age differs from the employee's age by more than 5 years.

Other:

5.00% interest rate and UP-1984 mortality.

Employee Contributions

They are not required or permitted.

2013 Lump Sum Window

A participant who terminated employment on or prior to April 30, 2013 may elect between September 2, 2013 and October 16, 2013 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2013. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to November 1, 2013, the actuarial equivalent of the early retirement benefit, if larger.

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Plan Sponsor:	MAHLE Industries, Incorporated
Valuation Date	January 1, 2018

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2017 Lump Sum Window

A participant who terminated employment on or prior to June 30, 2017 may elect between September 15, 2017 and October 31, 2017 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2017. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to December 1, 2017 the actuarial equivalent of the early retirement benefit if larger.

Substantive Commitments

No substantive commitments other than the above plan provisions have been included in this valuation.

Changes in Plan Provisions Since Last Actuarial Valuation

A lump sum window was offered to terminated vested participants in the fourth quarter of 2017.

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EIN / PN:	58-2431334 / 001
Plan Sponsor:	MAHLE Industries, Incorporated
Valuation Date	January 1, 2018

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Schedule SB, Line 26 Schedule of Active Participant Data as of January 1, 2018

Attained Age	Attained Years of Credited Service ³									
	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over
Under 25	0	0	0	0	0	0	0	0	0	0
25-29	0	0	0	0	0	0	0	0	0	0
30-34	0	0	1	0	1	0	0	0	0	0
35-39	0	0	9	0	17	5	0	0	0	0
40-44	0	3	11	6	22	38	2	0	0	0
45-49	0	1	12	12	29	43	13	9	0	0
50-54	0	0	8	5	25	28	29	43	0	0
55-59	0	0	2	3	14	25	18	39	22	1
60-64	0	1	1	3	10	9	6	19	19	7
65-69	0	0	0	0	1	2	1	4	1	1
70 & over	0	0	0	0	1	0	0	0	0	0

³ Age and service for purposes of determining category are based on exact (not rounded) values.

Plan Name: MAHLE Industries, Incorporated Retirement Plan

EIN / PN: 58-2431334 / 001

Plan Sponsor: MAHLE Industries, Incorporated

Valuation Date: January 1, 2018

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Schedule SB, Line 32 Schedule of Amortization Bases as of January 1, 2018

Type of Base	Date Established	Initial Amount	Remaining Amortization Period (Years)	Outstanding Balance	Amortization Payment
1 Shortfall	01/01/2018	5,288,614	7.00000	5,288,614	863,365
2 Shortfall	01/01/2017	4,302,805	6.00000	3,816,308	706,572
3 Shortfall	01/01/2016	4,829,653	5.00000	3,699,997	797,972
4 Shortfall	01/01/2015	2,485,458	4.00000	1,562,136	413,339
5 Shortfall	01/01/2014	4,682,940	3.00000	2,263,622	783,732
Total				16,630,677	3,564,980

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Plan Sponsor: MAHLE Industries, Incorporated
Valuation Date: January 1, 2018

SCHEDULE SB ATTACHMENTS

Schedule SB – Statement by Enrolled Actuary

Plan Sponsor	MAHLE Industries, Incorporated
EIN/PN	58-2431334/001
Plan Name	MAHLE Industries, Incorporated Retirement Plan
Valuation Date	January 1, 2018
Enrolled Actuary	Joseph A. Grondin
Enrollment Number	17-06662

The actuarial assumptions that are not mandated by IRC § 430 and regulations, represent the enrolled actuary's best estimate of anticipated experience under the plan, subject to the following conditions:

The actuarial valuation, on which the information in this Schedule SB is based, has been prepared in reliance upon the employee and financial data furnished by the plan administrator and the trustee. The enrolled actuary has not made a rigorous check of the accuracy of this information but has accepted it after reviewing it and concluding it is reasonable in relation to similar information furnished in previous years. The amounts of contributions and dates paid shown in Item 18 of Schedule SB were listed in reliance on information provided by the plan administrator and/or trustee.

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2018

See Schedule SB, Part V - Statement of Actuarial Assumptions/Methods for retirement rates. The average retirement age for Line 22 was calculated by determining the average age at retirement for those current active participants expected to reach retirement, based on all current decrements assumed.

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EIN / PN:	58-2431334 / 001
Plan Sponsor:	MAHLE Industries, Incorporated
Valuation Date	January 1, 2018

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Schedule SB – Statement by Enrolled Actuary

Plan Sponsor	MAHLE Industries, Incorporated
EIN/PN	58-2431334/001
Plan Name	MAHLE Industries, Incorporated Retirement Plan
Valuation Date	January 1, 2018
Enrolled Actuary	Joseph A. Grondin
Enrollment Number	17-06662

The actuarial assumptions that are not mandated by IRC § 430 and regulations, represent the enrolled actuary's best estimate of anticipated experience under the plan, subject to the following conditions:

The actuarial valuation, on which the information in this Schedule SB is based, has been prepared in reliance upon the employee and financial data furnished by the plan administrator and the trustee. The enrolled actuary has not made a rigorous check of the accuracy of this information but has accepted it after reviewing it and concluding it is reasonable in relation to similar information furnished in previous years. The amounts of contributions and dates paid shown in Item 18 of Schedule SB were listed in reliance on information provided by the plan administrator and/or trustee.

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V Summary of Plan Provisions

Summary of principal plan provisions – MAHLE Non-Union

Plan Sponsor

MAHLE Industries, Incorporated

Plan

MAHLE Industries, Incorporated Retirement Plan

Effective Date

The plan was originally effective January 1, 1981, as amended effective September 1, 2013.

Plan Year

The twelve-month period ending December 31.

Eligibility and Participation

Any person who is employed regularly by MAHLE Industries, Incorporated, and has FICA taxes withheld by MAHLE Industries, Incorporated. An individual who performs services for MAHLE Industries, Incorporated, pursuant to an agreement between MAHLE Industries, Incorporated, and a collective bargaining agreement, an employee leasing organization or independent contractor shall not be considered.

Each active employee will become a Participant as of the January 1 on or next following his Employment Date. No new participants will enter after January 1, 2004. Effective May 1, 2007, active Participants, between March 19, 2007 and April 17, 2007, can choose to freeze their benefit in the Pension Plan. This is a one-time irrevocable election.

Vesting Service

Effective January 1, 1999 whole calendar months, of employment. A whole month is graded in the month of employment and month of termination if the Participant is employed for at least 15 days in that month. Before 1999, vesting service was granted on a 1,000 hour rule.

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Benefit Service

The Participant's whole and partial years of Vesting Service, excluding (1) periods before the employer adopted the plan (unless specified), (2) leaves longer than 12 months, (3) periods between date of termination and rehire, (4) periods worked for an employer who did not adopt the plan, (5) periods for which an employee was paid a lump sum, (6) periods covered by another defined benefit plan, and (7) periods after the employee opts out of the plan.

Compensation

The participant's taxable earnings as reported on Form W-2 plus deferrals. Please refer to the Plan document for additional detail.

Final Average Base Earnings

The average of a Participant's greatest five consecutive or non-consecutive calendar years during his final 10 consecutive calendar years of Employment. Plan includes any partial calendar year in the 5 year average, if it yields a higher average. If a participant has fewer than 5 complete years all Earnings are averaged.

After December 31, 2006: Final Average Earnings shall be determined by calculating the Final Average Earnings as of December 31, 2006, increased each year by the general wage increase percentage declared by the employer in the December of the preceding calendar year (not less than 0% nor more than 2%), with increases applied from January 1st to the date of termination on a pro-rata basis.

The Final Average Earnings freezes when an employee opts out of the plan.

Accrued Benefit

For a participant terminating employment on or after his/her Normal Retirement Date, the accrued benefit is a monthly benefit equal to 1/12 of the sum of 1 and 2 multiplied by Years of Benefit Service not in excess of 30:

1. 0.9 percent of his Final Average Earnings not in excess of Covered Compensation
2. 1.525 percent of his Final Average Earnings in excess of Covered Compensation

Minimum Monthly Benefit is \$6.50 times Benefit Service not in excess of 30 years.

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For a participant who terminated employment prior to his/her Normal Retirement Date, the above calculation is determined assuming he/she continues to earn benefit service to the Normal Retirement Date, but Final Average Earnings and Covered Compensation is determined as of the termination date. The projected benefit is then multiplied by the ratio of the number of years of benefit service at termination to the number of years of benefit service projected at the Normal Retirement Date.

Normal or Late Retirement Benefit

Eligibility: Later of Age 65 or the fifth anniversary of Employment

Benefit: Accrued Benefit at Normal or Late Retirement Date.

Early Retirement Benefit

Eligibility: Age 55 and 10 years of Vesting Service.

Benefit: Accrued Benefit reduced by 5/9% for first five years and 5/18% for next five years benefit begins prior to the normal retirement date.

Disability Benefit

If a Participant becomes disabled after 5 years of Vesting Service, he continues to accrue service and compensation continues at the same rate until his Early or Normal Retirement Date. Upon retirement, the Early or Normal Retirement Benefit is payable. The Final Average Earnings and Covered Compensation are frozen at the disability date.

For employees who opted out, the benefit is based on the May 1, 2007 frozen benefit, reduced for early retirement.

Vested Benefits upon Termination of Service

Eligibility: 5 years of Vesting Service.

Benefit: Accrued Benefit payable at age 65.

Early Commencement of Benefit: Participants who have completed 10 years of vesting service may elect to begin receiving a reduced benefit as early as age 55. Accrued benefit reduced 5/9% for the first five years and 5/18% for the next five years benefit begins prior to the normal retirement date.

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Plan Sponsor:	MAHLE Industries, Incorporated
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Normal Form of Retirement Income

The normal form of benefit is a monthly annuity payable for the life of the participant. If married, then the 50% Joint and Survivor annuity will be payable to the employee during his lifetime with 50% of such reduced amount payable to his surviving spouse after his death, unless the retiree elects otherwise in writing and the spouse consents.

Optional Forms

Joint and Survivor Annuities:

1. Life only
2. 50% Joint and Survivor, 66-2/3% Joint and Survivor, 75% Joint and Survivor and 100% Joint and Survivor
3. 10 Years Continuous and Life
4. Lump sum is automatically payable if amount is less than or equal to \$5,000.

Actuarial Equivalence

Lump Sum: Participant shall receive a single sum payment calculated using the applicable segment rates for the fourth month preceding the first day of the calendar quarter commencing January, April, July and October in which payment is made and the applicable mortality table described in IRC Section 417(c)(3).

Other: 7% interest rate and the 1971 Forecast Mortality Table with a one-year age setback for participants and a five-year age setback for beneficiaries.

Pre-Retirement Death Benefits

If the Participant is not vested, no death benefits are payable. If the participant is vested, then the death benefit is 50% of the amount that would have been payable to the Participant under the 50% Joint and Survivor option assuming the participant had terminated employment on the earlier of his termination date or date of death, survived to the early retirement date, had begun receiving benefits that day under the 50% Joint and Survivor form of payment and died the next day.

Post-Retirement Death Benefits

None except as provided by the annuity form elected.

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Plan Sponsor:	MAHLE Industries, Incorporated
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Employee Contributions

They are not required or permitted.

2007 Voluntary Retirement Opportunity (VRO)

A participant who retired under the 2007 VRO shall have his early retirement benefit determined by increasing his Benefit Service by an additional three years (up to a maximum of 30 years of Benefit Service) and be deemed three years older than the participant's actual age (up to a maximum of age 65). Employees eligible for the 2007 VRO are participants at the Morristown, Tennessee facility who are at least age 55 with 10 or more years of service as of March 30, 2007, who elect the special benefits between December 11, 2006 and March 30, 2007, retires between January 1, 2007 and March 30, 2007, and sign an appropriate waiver and release.

2009 Voluntary Retirement Opportunity (VRO)

A participant who retired under the 2009 Voluntary Retirement Opportunity (2009 VRO) shall have his early retirement benefit determined by increasing his Benefit Service by an additional three years (up to a maximum of 30 years of Benefit Service) and be deemed three years older than the participant's actual age (up to a maximum of age 65). Employees eligible for the 2009 VRO are participants who are at least age 55 with 10 or more years of service as of January 5, 2009, who elect the special benefit between November 4, 2008 and January 8, 2009, retire between January 1, 2009 and February 1, 2009, and sign an appropriate waiver and release.

2013 Lump Sum Window

A participant who terminated employment on or prior to April 30, 2013 may elect between September 2, 2013 and October 16, 2013 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2013. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to November 1, 2013, the actuarial equivalent of the early retirement benefit, if larger.

2017 Lump Sum Window

A participant who terminated employment on or prior to June 30, 2017 may elect between September 15, 2017 and October 31, 2017 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2017. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to December 1, 2017 the actuarial equivalent of the early retirement benefit if larger.

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Plan Sponsor:	MAHLE Industries, Incorporated
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SCHEDULE SB ATTACHMENTS

Maximum on Benefits and Compensation

All benefits and compensation for any calendar year may not exceed the maximum limits for that year as defined by the Internal Revenue Code. The plan provides for increasing the dollar limits automatically as such changes become effective.

Substantive Commitments

No substantial commitments other than the above plan provisions have been included in the valuation.

Changes in plan provisions since last actuarial valuation

A lump sum window was offered to terminated vested participants in the fourth quarter of 2017.

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EIN / PN:	58-2431334 / 001
Plan Sponsor:	MAHLE Industries, Incorporated
Valuation Date	January 1, 2018

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Summary of principal plan provisions – Caldwell Union

Plan Sponsor

MAHLE Industries, Incorporated

Former Plan

MAHLE Caldwell Plant Hourly Employees Pension Plan

Effective Date and Most Recent Amendment

The plan was originally effective January 1, 1988 and later amended and restated effective December 31, 2001 and further amended effective January 1, 2011 and as of September 1, 2013.

Plan Year

The twelve-month period ending December 31.

Coverage and Participation

Hourly paid employees at employer's Caldwell, Ohio plant (United Steel Workers of America AFL-CIO Local 4836). Plan frozen December 31, 2001. There will be no new plan participants after this date.

Credited Service

For hours as an employee of the company while covered by the CBA,

Maximum Credited Service is 38 years

Credited service is frozen at 12/31/2001

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Plan Sponsor:	MAHLE Industries, Incorporated
Valuation Date	January 1, 2018

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Hours of Service During Plan Year	Portion of Year of Credited Service
Less than 85	0.0
85-254	.1
255-424	.2
425-594	.3
595-764	.4
765-934	.5
935-1,104	.6
1,105-1,274	.7
1,275-1,444	.8
1,445-1,614	.9
1,615 and over	1.0

Vesting Service

Elapsed time from date of hire to the date employment with the employer terminates. Vesting Service is determined in fractional years to the nearest one-twelfth.

Normal Retirement Benefit

Eligibility: Age 65.

Monthly Benefit: Accrued benefit determined at the normal retirement date

Late Retirement

Eligibility: Retirement after the normal retirement date.

Monthly Benefit: Accrued benefit determined at date of postponed retirement (actuarially increased after April 1st of calendar year following attainment of age 70.5, while benefits suspended).

Accrued Benefits

Monthly accrued benefit is the product of \$24.00 and years of credited service (not more than 38).

Early Retirement Benefit

Eligibility: Age 60 and 10 years of vesting service.

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Monthly Benefit: Accrued benefit determined at early retirement, reduced 0.4% per month for commencement prior to normal retirement age.

Disability Benefit

Eligibility: Disablement after completing 10 years of vesting service

Monthly Benefit: Accrued benefit determined at date of disability.

Vested Benefits Upon Termination of Service

Eligibility: 5 years of vesting service.

Benefit Payable at Normal Retirement Date: Accrued benefit at date of termination.

Early Commencement of Benefit: Eligible upon attainment of age 60. Accrued benefit is reduced by 0.5% per month for commencement prior to normal retirement date.

Medicare Part B Benefit

Eligibility: Retirement under normal, early, late or disability provisions and enrolled in Medicare.

Monthly Benefit: The current premium payable to the retiree (not spouse) for Medicare Part B coverage, \$134.00 in 2017. The premium is assumed to increase in future years.

Pre-Retirement Death Benefits

Paid to a participant's surviving spouse, if any, equal to 52% of the benefit that the participant would have received if he had retired on his date of death and elected an immediate benefit in a joint and 52% survivor form, or, in the case of a participant who dies before becoming eligible for payment of benefits, the benefit that would have been payable had he terminated employment on the earlier of his termination date or date of death, survived to the early retirement date, elected the 52% joint and survivor annuity and died the following day.

The benefit payable to the member's spouse is reduced 1% for each year, if any, by which the spouse is more than 5 years younger than the employee at his death (but not in excess of 10%).

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Normal Form of Retirement Income

Single employees and employees married less than one year: Life annuity.

All others: 52% qualified joint and survivor annuity.

Optional Forms of Retirement Income in Lieu of Normal Form

1. Life only
2. 52% joint and survivor and 75% joint and survivor
3. Lump sum of the present value of the accrued normal retirement benefit (excluding any Medicare Part B benefit) is automatically payable if amount is less than \$5,000

Actuarial Equivalence

Lump Sum Participants shall receive the larger of the benefit calculated using the following actuarial factors:

1. The annual interest rate on 30-year Treasury securities for the November before the beginning of the plan year and the Mortality Table described in R.R. 2001-62.
2. The applicable segment rates for the fourth month preceding the first day of the calendar quarter commencing January, April, July and October in which payment is made, and applicable mortality table described in IRC sections 417(e)(3).

52% Joint and Survivor Annuity: 93% plus or minus 0.5% for each full year the spouse is older or younger than the retiree.

Others: 7.00% interest rate and 1971 GAM mortality.

Employee Contributions

They are not required or permitted.

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2013 Lump Sum Window

A participant who terminated employment on or prior to April 30, 2013 may elect between September 2, 2013 and October 16, 2013 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2013. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to November 1, 2013, the actuarial equivalent of the early retirement benefit, if larger.

2017 Lump Sum Window

A participant who terminated employment on or prior to June 30, 2017 may elect between September 15, 2017 and October 31, 2017 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2017. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to December 1, 2017 the actuarial equivalent of the early retirement benefit if larger.

Substantive Commitments

No substantive commitments other than the above plan provisions have been included in this valuation.

Changes in Plan Provisions Since Last Actuarial Valuation

A lump sum window was offered to terminated vested participants in the fourth quarter of 2017.

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Valuation Date	January 1, 2018

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Summary of principal plan provisions – Churubusco Union

Plan Sponsor

MAHLE Industries, Incorporated

Former Plan

MAHLE Pension Plan for Hourly Paid Employees at the Churubusco, IN Plant

Effective Date and Most Recent Amendment

The plan was originally effective March 8, 1967 and later amended and restated effective November 8, 2005 and further amended effective January 1, 2011 and as of September 1, 2013.

Plan Year

The twelve-month period ending December 31.

Coverage and Participation

All employees who are members of District Lodge No. 090, Local Lodge No. 2034, of the International Association of Machinists and Aerospace Workers, AFL-CIO.

Credited Service

1. All full and fractional years of service since March 8, 1967 while on the seniority list; plus
2. All full and fractional years of past service from the seniority date to March 8, 1967.
3. Reinstatement of Credited Service available for loss of seniority after October 18, 1975 or for re-employment after retirement; Credited Service is aggregated, but future benefit is offset by actuarial equivalent of benefits previously paid.
4. Employee retiring under the plan also receives Credited Service for eligibility for all service with the Corporation.
5. Accumulation of up to 5 years of Credited Service while on approved leave of absence or layoff.

Vesting Service

All service with corporation.

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Normal Retirement Benefit

Eligibility: Age 65.

Benefit: Accrued benefit determined at normal retirement date.

Late Retirement Benefit

Eligibility: Retirement after normal retirement date.

Monthly Benefit: Accrued benefit determined at the date of postponed retirement (actuarially increased after April 1st of calendar year following attainment of age 70.5, while benefits suspended)

Accrued Benefit

Monthly accrued benefit is the product of \$23.00 and years of credited service (not more than 44 years if seniority date is before January 2, 1968, 40 years if seniority date is between January 2, 1968 and January 1, 1980, 35 years if seniority date is between January 2, 1980 and November 4, 2007).

Early Retirement Benefit

Eligibility: Age 60 and 10 years of credited service.

Monthly Benefit: Accrued benefit determined at early retirement, reduced by 0.5% per month for commencement prior to age 62.

Disability Benefit

Eligibility: Totally and permanently disabled, as determined by the plan sponsor after attaining age 50 with 10 years of credited service.

Benefit: Accrued benefit determined at date of disability.

Waiting Period: 6 months.

Vested Benefits Upon Termination of Service

Eligibility: 5 years of vesting service.

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Benefit Payable at Normal Retirement Date: Accrued benefit at date of termination.

Early Commencement of Benefit: Eligible after completion of 10 years of credited service and attainment of age 60. Accrued benefit is reduced by 0.5% per month for commencement prior to the normal retirement date.

Supplemental Benefit

Eligibility: Retirement under Early or Disability provisions and attainment of age 60 and 30 years of credited service.

Benefit: Effective May 1, 1999, a monthly benefit of \$10.00 times years of credited service (not more than 44 years if seniority date is before January 2, 1968, 40 years if seniority date is between January 2, 1968, 35 years if seniority date is on or after January 2, 1980) is payable until age 62 to the employee (not a surviving spouse).

Pre-Retirement Death Benefits

Eligibility: Former and active vested employees and retirees who have elected the normal form of the survivor benefit and who have been married at least one year.

Benefit:

1. Active Vested and Terminated Vested Employees Eligible for Early or Normal Retirement:

Monthly survivor benefit shall be equal to 50% of the early benefit the employee would have received had he retired the day before his death and elected the 50% joint and survivor form of payment. Benefit payment begins on the first day of the month following the date of death.

2. Active Vested and Terminated Vested Employees Not Eligible for Normal or Early Retirement:

Monthly survivor benefit shall be equal to 50% of the monthly benefit to which the employee would have been entitled had he terminated on the earlier of his termination date or date of death, survived to the earliest commencement date, commenced receiving payments that day after electing the 50% joint and survivor form of payment, and died the next day. Benefit payment begins on early retirement date.

Normal Form of Retirement Income

Normal form of payment is a monthly annuity for the life of the participant. If married, the 50% joint and survivor option will be deemed to have been elected, unless the retiree elects otherwise in writing and the spouse consents.

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Single employees and employees married less than one year: Life annuity

All others: 50% joint and survivor annuity

Optional Forms of Retirement Income in Lieu of Normal Form

1. Life only
2. 50% joint and survivor and 75% joint and survivor
3. Lump sum is automatically payable if amount is less than \$1,000
4. Lump sum of the present value of the accrued normal retirement benefit (excluding any 30-year supplement) is payable if amount is less than \$5,000 (\$30,000 for employees eligible for Plant Closing Benefit).

Actuarial Equivalence

Lump Sum: The applicable segment rates for the fourth month preceding the first day of the calendar quarter commencing January, April, July and October in which payment is made and the applicable mortality table described in section 417(e)(3).

Other: 7.00% interest rate and UP-1984 mortality, set forward one year.

Employee Contributions

They are not required or permitted.

2013 Lump Sum Window

A participant who terminated employment on or prior to April 30, 2013 may elect between September 2, 2013 and October 16, 2013 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2013. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to November 1, 2013, the actuarial equivalent of the early retirement benefit, if larger.

2017 Lump Sum Window

A participant who terminated employment on or prior to June 30, 2017 may elect between September 15, 2017 and October 31, 2017 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than

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December 31, 2017. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to December 1, 2017 the actuarial equivalent of the early retirement benefit if larger.

Substantive Commitments

No substantive commitments other than the above plan provisions have been included in this valuation.

Changes in Plan Provisions Since Last Actuarial Valuation

A lump sum window was offered to terminated vested participants in the fourth quarter of 2017.

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Summary of principal plan provisions – Franklin Union

Plan Sponsor

MAHLE Industries, Incorporated

Former Plan

MAHLE – UAW Pension Plan for Hourly Employees at the Perfect Circle Division Cast Iron Plant in Franklin, Kentucky

Effective Date and Most Recent Amendment

The plan was originally effective January 1, 1999 and later amended and restated effective January 25, 2004 and further amended effective January 1, 2012 and as of September 1, 2013.

Plan Year

The twelve-month period ending December 31.

Coverage and Participation

All employees working for the Company at the Cast Iron Plant in Franklin, Kentucky, who are covered by the collective bargaining agreement between the Company and the Union (UAW Local 2370).

Credited Service

Prior to February 7, 1997: As earned under the SPX Franklin Plan.

On or after February 7, 1997 and on or before December 31, 1998: Each year during which any employee completed 1,000 hours of service under the Savings Plan.

On or after January 1, 1989: Employee will receive 1/12 of a year for each month the employee is on the active payroll and has at least one hour of service.

Vesting Service

All service with the Corporation.

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Accrued Benefit

Monthly accrued benefit is the product of \$19.00 and years of credited service less the product of \$10.00 and years of credited service earned prior to January 1, 1999.

Normal Retirement Benefit

Eligibility: Age 65.

Benefit: Accrued benefit determined at normal retirement date.

Late Retirement Benefit

Eligibility: Retirement after normal retirement date.

Monthly Benefit: Accrued benefit determined at the date of postponed retirement (actuarially increased after April 1st of calendar year following attainment of age 70.5, while benefits suspended).

Early Retirement Benefit

Eligibility: Age 60 and 10 years of credited service.

Monthly Benefit: Accrued benefit determined at early retirement, reduced by 0.5% per month for commencement prior to age 62. After age 62, an unreduced benefit is payable (i.e., benefit "pops up" to an unreduced benefit at age 62).

Special Early Retirement: Effective May 1, 2001, if an employee is eligible for early retirement, he will receive a temporary benefit of \$400 per month, until he attains age 62.

Disability Benefit

There are no explicit disability benefits provided under this plan. Employees who terminate employment may receive early retirement or vested termination benefits, if eligible.

Vested Benefits Upon Termination of Service

Eligibility: 5 years of vesting service.

Benefit Payable at Normal Retirement Date: Accrued benefit at date of termination.

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Early Commencement of Benefit: Eligible after attaining age 60 and completing 10 years of credited service. Accrued benefit is reduced by 0.5% per month for commencement prior to the normal retirement date.

Medicare Part B Benefit

Eligibility: Retiree or surviving spouse receiving benefits following normal, early or late (but not deferred vested) retirement, who is age 65 or over or otherwise eligible for Medicare Part B.

Monthly Benefit: Effective on or after January 1, 2003, \$60.00 per month after age 65, or earlier eligibility for Medicare Part B.

Pre-Retirement Death Benefits

Eligibility: Former and active vested employees and retirees who have elected the normal form of the survivor benefit and who have been married at least one year.

Amount of Benefit:

1. Active Vested and Terminated Vested Employees Eligible for Early or Normal Retirement:

Monthly survivor benefit shall be equal to 60% of the accrued benefit the employee would have received had he retired the day before his death. Benefit payment begins on the first day of the month following the date of death.

2. Active Vested and Terminated Vested Employees Not Eligible for Early or Normal Retirement:

Monthly survivor benefit shall be equal to 50% for which the employee would have been entitled had he terminated on the earlier of his termination date or date of death, survived to early retirement date and had begun receiving benefits that day, and died the next day. Benefit payment begins on early retirement date.

3. Retired Employees:

Monthly survivor benefit shall be equal to 60% for which retiree was eligible. Benefit payment begins on the first day of the month following the date of death.

Reduction: An employee who elects the survivor's benefit receives 90% of accrued benefit during his lifetime in order to provide for the surviving spouse. This percentage (90%) shall be reduced 0.5% for each year that the spouse's age is younger than the employee's age by more than 10 years.

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Duplication Clause: Survivor benefit not payable concurrently with group insurance transition or bridge benefits.

Normal Form of Retirement Income

Single Employees and Employees Married Less than One Year: Life annuity.

All Others: 90% of the retirement income payable to the employee during his lifetime (adjusted if the spouse's age differs more than 10 years from the employee's) with 60% of such reduced amount payable to his surviving spouse after his death. If the QJSA is in effect and the spouse predeceases the retiree the basic pension benefit shall be restored to the amount payable without the QJSA election on the first day of the 3rd month after the Company receives evidence of the spouse's death.

Optional Forms of Retirement Income in Lieu of Normal Form

1. Life only
2. 60% joint and survivor and 75% joint and survivor.
3. Lump sum is automatically payable if amount is less than \$1,000. Lump sums between \$1,000 and \$5,000 are payable upon the participants' election, with spousal consent.
4. Lump sums in excess of \$5,000 are available to active employees who are terminated due to the plant closing, as described below.

Actuarial Equivalence

Lump Sum:

Participant shall receive the larger of the benefits calculated using the following actuarial factors:

1. The applicable segment rates for the November before the beginning of the plan year and the mortality table described in RR 2001-62.
2. The applicable segment rates for the fourth month preceding the first day of the calendar quarter commencing January, April, July and October in which payment is made and applicable mortality table described in IRC section 417(e)(3).

Others: 7.00% interest rate and Applicable Mortality Table (RR 2001-62).

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Plant Closing Optional Lump Sums

Employees who terminate employment due to the plant closure occurring in late 2010 through late 2011 are eligible to elect a special lump sum payment upon termination equal to the value of their accrued benefit, including all early retirement subsidies and the value of their Medicare Part B Benefit, if eligible. The lump sums are calculated using the applicable segment rates for the November before the beginning of the plan year and the applicable mortality tables described in IRC Section 417(e)(3). Lump sums may not decrease below the de minimus lump sum amounts otherwise payable under the plan.

Employee Contributions

Employee contributions are not required or permitted.

2013 Lump Sum Window

A participant who terminated employment on or prior to April 30, 2013 may elect between September 2, 2013 and October 16, 2013 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2013. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to November 1, 2013, the actuarial equivalent of the early retirement benefit, if larger.

2017 Lump Sum Window

A participant who terminated employment on or prior to June 30, 2017 may elect between September 15, 2017 and October 31, 2017 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2017. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to December 1, 2017 the actuarial equivalent of the early retirement benefit if larger.

Substantive Commitments

No substantive commitments other than the above plan provisions have been included in this valuation.

Changes in Plan Provisions Since Last Actuarial Valuation

A lump sum window was offered to terminated vested participants in the fourth quarter of 2017.

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Summary of principal plan provisions – Manchester Union

Plan Sponsor

MAHLE Industries, Incorporated

Former Plan

MAHLE Manchester Plant Hourly Employees Pension Plan

Effective Date and Most Recent Amendment

The plan was originally effective February 7, 1997 and later amended and restated effective June 1, 2003 and further amended effective January 1, 2011 and as of September 1, 2013.

Plan Year

The twelve-month period ending December 31.

Coverage and Participation

All employees within the bargaining unit (International Association of Machinists and Aerospace Workers of America, District No. 9). Any person who first becomes an employee or a member of the bargaining unit on or after October 1, 2007 will not be eligible to participate in the plan.

Credited Service

Prior to February 7, 1997: As earned under the SPX Manchester Plant Pension Plan.

After February 7, 1997: Any calendar year in which the employee has 1,800 or more “credited hours” shall be counted as one year of Credited Service. If employee has less than 1,800 “credited hours”, a proportionate credit will be given according to the following schedule:

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Credited Hours	Credited Service
0	None
1-180	1/10 of a year
180.1-360	2/10 of a year
360.1-540	3/10 of a year
540.1-720	4/10 of a year
720.1-900	5/10 of a year
900.1-1,080	6/10 of a year
1,080.1-1,260	7/10 of a year
1,260.1-1,440	8/10 of a year
1,440.1-1,620	9/10 of a year
1,620.1 or more	one year

Service prior to February 7, 1997 is recognized for eligibility to participate, eligibility to receive early retirement subsidies, subsidized actuarial factors, retirement supplements and disability benefits, and vesting.

No pre-February 7, 1997 Credited Service recognized for benefit accruals, except specifically recognized to reflect benefit increases.

Credited service for purposes of determining benefit amounts was frozen at October 1, 2007.

Vesting Service

Prior to February 7, 1997: As earned under the SPX Manchester Plant Pension Plan.

After February 7, 1997: Any calendar year in which the employee has 1,000 or more hours shall be counted as one year of Vesting Service. If employee has less than 1,000 hours, a proportionate credit will be given according to the following schedule:

Credited Hours	Credited Service
0	None
1-180	1/10 of a year
180.1-360	2/10 of a year
360.1-540	3/10 of a year
540.1-720	4/10 of a year
720.1-900	5/10 of a year
900.1-999	6/10 of a year

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Accrued Benefit

Monthly accrued benefit is the product of \$30.00 and years of credited service (including pre 2/7/1997 service) less the product of \$23.00 and years of credited service earned prior to 2/7/1997.

Normal Retirement Benefit

Eligibility: The later of the first day of the month following or coinciding with attainment of age 65 and the fifth anniversary of plan participation.

Benefit: Accrued benefit determined at normal retirement date.

Late Retirement Benefit

Eligibility: Retirement after normal retirement date.

Monthly Benefit: The greater of 1 and 2 (actuarially increased after April 1st of calendar year following attainment of age 70.5, while benefits suspended)

1. Accrued benefit determined at the date of postponed retirement.
2. Accrued benefit determined at normal retirement age, actuarially increased to reflect the later payment date.

Early Retirement Benefit

Eligibility: Age 55 and 10 years of credited service.

Monthly Benefit: Accrued benefit determined at early retirement, reduced by 0.5% per month for commencement prior to age 62.

Disability Benefit

Eligibility: An employee who becomes disabled after attaining 10 years of credited service. (Prior plan service is eligible for meeting 10 year service requirement.)

Benefit: Accrued benefit determined at date of disability.

Waiting Period: 6 months.

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Vested Benefits upon Termination of Service

Eligibility: 5 years of vesting service.

Benefit Payable at Normal Retirement Date: Accrued benefit at date of termination.

Early Commencement of Benefit: Eligible upon attainment of age 55. Accrued benefit is reduced by 0.5% per month for commencement prior to the normal retirement date.

Pre-Retirement Death Benefits

Eligibility: Former and active vested employees and retirees who have elected the normal form of the survivor benefit and who have been married at least one year.

Amount of Benefit:

1. Active Vested and Terminated Vested Employees Eligible for Early or Normal Retirement:

Monthly survivor benefit shall be equal to 50% of the accrued benefit the employee would have received had he retired the day before his death and elected the 50% joint and survivor form of payment. Benefit payment begins on the first day of the month following the date of death.

2. Active Vested and Terminated Vested Employees Not Eligible for Early or Normal Retirement:

Monthly survivor benefit shall be equal to 50% for which the employee would have been entitled had he terminated on the earlier of his termination date or date of death, survived to the early retirement date, elected the 50% joint and survivor annuity, and died the next day. Benefit payment begins on early retirement date.

Normal Form of Retirement Income

Single Employees and Employees Married Less than One Year: Life annuity.

All Others: 50% qualified joint and survivor annuity.

Optional Forms of Retirement Income in Lieu of Normal Form

1. Life only
2. 50% joint and survivor and 75% joint and survivor
3. 10 year period certain and life annuity.

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4. Lump sum of the larger of the present value of the accrued normal retirement benefit and the early retirement benefit (if eligible to commence benefits) is payable if amount is less than or equal to \$25,000.
5. Lump sum is automatically payable if amount is less than \$1,000.

Actuarial Equivalence

Lump Sum: Participant shall receive the larger of the benefits calculated using the following actuarial factors:

1. Annual interest rate on 30 year Treasury securities for the November before the beginning of the plan year and the mortality table described in RR 2001-62.
2. The applicable segment rates for the fourth month preceding the first day of the calendar quarter commencing January, April, July and October in which payment is made and applicable mortality table described in IRC section 417(e)(3).

Other: 5.00% interest rate and UP-1984 mortality, but for optional payment forms, use Appendix A in plan document.

Employee Contributions

They are not required or permitted.

2013 Lump Sum Window

A participant who terminated employment on or prior to April 30, 2013 may elect between September 2, 2013 and October 16, 2013 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2013. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to November 1, 2013, the actuarial equivalent of the early retirement benefit, if larger.

2017 Lump Sum Window

A participant who terminated employment on or prior to June 30, 2017 may elect between September 15, 2017 and October 31, 2017 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2017. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to December 1, 2017 the actuarial equivalent of the early retirement benefit if larger.

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Substantive Commitments

No substantive commitments other than the above plan provisions have been included in this valuation.

Changes in Plan Provisions Since Last Actuarial Valuation

A lump sum window was offered to terminated vested participants in the fourth quarter of 2017.

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Summary of principal plan provisions – Muskegon Union

Plan Sponsor

MAHLE Industries, Incorporated

Former Plan

MAHLE Muskegon Plant Hourly Employees' Pension Plan

Effective Date and Most Recent Amendment

The plan was originally effective February 7, 1997 and later amended and restated effective July 14, 2004 and further amended effective January 1, 2011 and as of September 1, 2013.

Plan Year

The twelve-month period ending December 31.

Coverage and Participation

All employees employed by the Company on or after February 7, 1997 within the bargaining unit (International Union, United Automobile, Aerospace and Agricultural Implement Workers of America (U.A.W.), Local 637).

Credited Service

Prior to February 7, 1997: As earned under the SPX Muskegon Plant Pension Plan.

After February 7, 1997: Any calendar year in which the employee has 1,800 or more "credited hours" shall be counted as one year of Credited Service. If employee has less than 1,800 "credited hours", a proportionate credit will be given according to the following schedule:

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EIN / PN:	58-2431334 / 001
Plan Sponsor:	MAHLE Industries, Incorporated
Valuation Date	January 1, 2018

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Credited Hours	Credited Service
0	None
1-180	1/10 of a year
180.1-360	2/10 of a year
360.1-540	3/10 of a year
540.1-720	4/10 of a year
720.1-900	5/10 of a year
900.1-1,080	6/10 of a year
1,080.1-1,260	7/10 of a year
1,260.1-1,440	8/10 of a year
1,440.1-1,620	9/10 of a year
1,620.1 or more	one year

Service prior to February 7, 1997 will be included in determining (1) eligibility to participate, (2) eligibility to receive early retirement subsidies, subsidized actuarial factors, retirement supplements and disability benefits, (3) eligibility for normal, early and vested benefits, but not for benefit accruals except to the extent specifically recognized to reflect benefit increases or supplemental amounts after the closing date.

If employee at February 7, 1997 elected to receive amounts or lump sums when transferring from SPX, the service earned prior to February 7, 1997 shall not be included for determining eligibility for retirement supplements or for benefit increases attributable to employment prior to February 7, 1997.

Vesting Service

Prior to February 7, 1997: As earned under the SPX Muskegon Plant Pension Plan.

After February 7, 1997: Any calendar year in which the employee has 1,000 or more hours shall be counted as one year of Vesting Service. If employee has less than 1,000 hours, a proportionate credit will be given according to the following schedule:

Credited Hours	Credited Service
0	None
1-180	1/10 of a year
180.1-360	2/10 of a year
360.1-540	3/10 of a year
540.1-720	4/10 of a year
720.1-900	5/10 of a year
900.1-999	6/10 of a year

Accrued Benefit

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Monthly accrued benefit is the product of \$33.00 and years of credited service (including pre 2/7/1997 service) less the product of \$26.00 and years of credited service earned prior to 2/7/1997.

Normal Retirement Benefit

Eligibility: The later of the first day of the month following or coinciding with attainment of age 65 and the fifth anniversary of plan participation.

Benefit: Accrued benefit determined at normal retirement date.

Late Retirement Benefit

Eligibility: Retirement after normal retirement date.

Monthly Benefit: The greater of 1 and 2 (actuarially increased after April 1st of calendar year following attainment of age 70.5, while benefits suspended)

1. Accrued benefit determined at the date of postponed retirement.
2. Accrued benefit determined at normal retirement age, actuarially increased to reflect the later payment date.

Early Retirement Benefit

Eligibility: Earlier of 1, 2, or 3:

1. Age 60 and 10 years of credited service.
2. Age 55 and age plus credited service equals 85 or more.
3. 30 years of credited service.

Monthly Benefit: Accrued benefit determined at early retirement, multiplied by the following:

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Number of Years Before SSURA ¹	Early Retirement Percentage	Number of Years Before SSURA	Early Retirement Percentage
18	30.4	10	57.9
17	32.8	9	63.5
16	35.4	8	69.4
15	38.3	7	75.2
14	41.5	6	80.8
13	45.0	5	86.7
12	48.9	4	93.3
11	53.2	3 and less	100.0

¹ Social Security Unreduced Retirement Age

Provided that:

Pension benefit including benefit to surviving spouse, will be unreduced for age after age 62 for employee retiring with the sum of age and credited service totaling 85 or more. Pension benefit will be unreduced for age at retirement for employees retiring with 30 or more years of credited service.

Disability Benefit

Eligibility: An employee who becomes disabled after attaining 10 or more years of credited service, and is under age 62.

Monthly Benefit: Accrued benefit determined at date of disability plus a temporary benefit (not more than \$400 per month) equal to the product of \$33.00 and credited service earned after February 7, 1997, payable until employee becomes eligible for a Social Security benefit.

Waiting Period: 6 months

Vested Benefits Upon Termination of Service

Eligibility: 5 years of vesting service.

Benefit Payable at Normal Retirement Date: Accrued benefit at date of termination.

Early Commencement of Benefit: Eligible (1) after completion of 10 years of credited service and attainment of age 60, or (2) at age 55 with 85 points, or (3) after completion of 30 years of credited service. Accrued benefit is reduced by 0.5% per month for commencement prior to the normal retirement date.

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Supplemental Benefit

Eligibility: An employee who retires under the normal, early or disability provisions and who:

1. Retires before age 62 with 30 or more years of credited service, or,
2. Retires before age 62 with the sum of age and credited service totaling 85 or more

Early Retirement Supplement:

1. Payable until age 62 to those retirees with 30 or more years of credited service;
2. The benefit is \$550 less \$350 times the ratio of Past Service Credits to 30 years per month for terminations after December 31, 2000.

Interim Supplement:

1. Payable until age 62 to those retirees with age and service totaling 85 points or more, but not with 30 or more years of service.
2. The benefit is \$7.50 times years of credited service (earned after February 7, 1997) reduced for early retirement.

Medicare Part B Benefit

Eligibility: Retirement under normal, early, late or disability provisions and enrolled in Medicare.

Monthly Benefit: Effective January 1, 2002, \$28.00 per month after age 65, or earlier if receiving Social Security disability benefits for at least 24 months. Medicare Part B benefit is not payable to a surviving spouse.

Pre-Retirement Death Benefits

Eligibility: Former and active vested employees and retirees who have elected the normal form of the survivor benefit.

Benefit:

1. Active Vested and Terminated Vested Employees Eligible for Early or Normal Retirement:

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Monthly survivor benefit shall be equal to 55% of the accrued benefit the employee would have received had he retired the day before his death and elected the 55% joint and survivor annuity. Benefit payment begins on the first day of the month following the date of death.

2. Active Vested and Terminated Vested Employees Not Eligible for Normal or Early Retirement:

Monthly survivor benefit shall be equal to 55% of the monthly benefit to which the employee would have been entitled had he terminated on the earlier of his termination date or date of death, survived to the early retirement date, elected the 55% joint and survivor annuity, and died the next day. Benefit payment begins on early retirement date.

Normal Form of Retirement Income

Single employees and employees married less than one year: Life annuity

All others: 55% qualified joint and survivor annuity

Optional Forms of Retirement Income in Lieu of Normal Form

1. Life only
2. 55% joint and survivor and 75% joint and survivor
3. Lump sum distribution of the larger of the benefit the participant could receive at the normal retirement date or early retirement date (if eligible to commence benefits for early retirement), if less than or equal to \$40,000. The lump sum will include any supplements and/or Medicare Part B benefit for which the participant is eligible to receive.
4. Lump sum is automatically payable if amount is less than or equal to \$1,000

If the 55% QJSA is in effect and the spouse predeceases the retiree, the basic pension benefit shall be restored to the amount payable without the QJSA elections.

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Actuarial Equivalence

Lump Sum:

Participant shall receive the larger of the benefits calculated using the following actuarial factors:

1. Annual interest rate on 30 year Treasury securities for the November before the beginning of the plan year and the mortality table described in RR 2001-62.
2. The applicable segment rates for the fourth month preceding the first day of the calendar quarter commencing January, April, July and October in which payment is made and applicable mortality table described in IRC section 417(e)(3).

55% qualified joint and survivor annuity;

95% adjusted 0.5% for each full year the spouse's age differs from the employee's age by more than 5 years.

Other:

5.00% interest rate and UP-1984 mortality.

Employee Contributions

They are not required or permitted.

2013 Lump Sum Window

A participant who terminated employment on or prior to April 30, 2013 may elect between September 2, 2013 and October 16, 2013 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2013. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to November 1, 2013, the actuarial equivalent of the early retirement benefit, if larger.

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2017 Lump Sum Window

A participant who terminated employment on or prior to June 30, 2017 may elect between September 15, 2017 and October 31, 2017 to receive an unlimited lump sum payment in lieu of benefits otherwise payable from the plan. Lump sums will be distributed no later than December 31, 2017. The lump sum is the actuarial equivalent of the normal accrued benefit or if eligible to commence benefits prior to December 1, 2017 the actuarial equivalent of the early retirement benefit if larger.

Substantive Commitments

No substantive commitments other than the above plan provisions have been included in this valuation.

Changes in Plan Provisions Since Last Actuarial Valuation

A lump sum window was offered to terminated vested participants in the fourth quarter of 2017.

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MAHLE Industries, Inc. Retirement Plan**Schedule of Assets Held at End of Year**

Form 5500, Schedule H, Line 4i
EIN 58-2431334, Plan No. 001
December 31, 2018

(a)(b) Identity of Issuer	(c) Description of Investment	(d) Cost	(e) Current Value
Comerica Bank	Common collective trust - Comerica Short Term Fund	\$ 1,057,344	\$ 1,057,344
Comerica Bank	Mutual funds:		
	Blackrock Global Allocation Fund Inc-I	3,412,927	6,522,374
	Vanguard Total Int St Idx-Is	1,572,493	1,658,292
	Vanguard Large Cap Index Fund	3,311,947	4,020,716
	Vanguard Extended Market Index Fund	1,906,397	2,296,493
Comerica Bank	U.S. government securities:		
	United States Treas Bds Dtd 785 1.625% 08/22	217,611	213,400
	United States Treas Bds Dtd 827 2.75% 04/23	183,743	186,900
	United States Treas Bds Dtd 829 2.875% 05/28	1,420,916	1,446,874
	United States Treas Bds 3.125% 11/28	170,810	176,336
	United States Treas Sec 0% 05/37	1,703,430	1,750,620
	United States Treas Sec Stripped 0% 05/28	1,584,357	1,625,015
	United States Treas Sec Stripped 0% 05/39	1,462,076	1,520,652
	United States Treas Sec Stripped Nt 188 0% 05/40	1,305,434	1,360,528
	United States Treas Sec Stripped 0% 11/40	1,045,253	1,159,538
	United States Treas Sec Stripped 0% 11/41	1,212,614	1,200,489
	United States Treas Sec Stripped 0% 05/42	1,015,213	1,118,835
	United States Treas Sec Stripped 0% 11/42	926,329	1,029,291
	United States Treas Sec Stripped 0% 11/43	784,955	855,884
	United States Treas Sec Stripped 0% 11/44	1,321,038	1,456,753
	United States Treas Sec Stripped 0% 05/45	345,909	374,977
	United States Treas Bds Dtd 00257 3% 02/48	98,368	99,465
	United States Treas Bds Dtd 00259 3.125% 05/48	1,408,962	1,457,141
	United States Treas Bds 3% 08/48	145,715	149,290
Comerica Bank	Corporate debt securities:		
	American Express Cr Corp 2.375%05/20	458,271	445,280
	Jpmorgan Chase & Co 4.25%10/20	324,325	315,586
	Keycorp 5.1% 03/21	569,777	528,946
	Goldman Sachs Sr Nt 5.75%01/22	609,131	565,396
	Jpmorgan Chase & Co Nt 4.5%01/22	614,353	587,322
	Omnicom Group 3.625% 05/22	553,529	542,388
	Amgen Inc Sr Nt 3.625%05/22	351,961	337,298
	Wellpoint Inc 3.125% 05/22	306,835	315,299
	Kinder Morgan 3.95% 09/22	215,331	214,899
	Franklin Nt 2.8% 09/22	599,764	582,814
	Jpmorgan Chase & Co Sr Nt 3.25% 09/22	1,046,757	1,017,854
	Abbvie Inc 3.2% 11/22	244,034	236,417
	Citigroup Inc 3.142% 01/22	657,113	658,108
	Wells Fargo Company 3.45%02/23	553,321	548,251
	Chevron Corporation Nt 3.191%06/23	384,692	399,372
	Valley Natl Bancorp 5.125%09/27/2023	186,091	192,248
	Public Svc Co N H 1St Mtg Bd Ser S 3.5% 11/23	548,717	559,756
	Bank Amer Fdg Corp 3.004%12/22	487,500	499,613
	At&T Inc 3.8% 03/24	380,422	371,216

MAHLE Industries, Inc. Retirement Plan**Schedule of Assets Held at End of Year (Continued)**

Form 5500, Schedule H, Line 4i
EIN 58-2431334, Plan No. 001
December 31, 2018

(a)(b) Identity of Issuer	(c) Description of Investment	(d) Cost	(e) Current Value
	Spectra Energy Partners Lp 4.75%03/23	\$ 583,625	\$ 601,193
	Verizon Communications 4.15%03/23	276,499	275,794
	Ventas Rlty Ltd Partnership 3.75% 05/24	333,627	326,786
	Ford Motor Credit Co 3.664%09/24	484,536	451,667
	Midamerican Energy Co 3.5%10/24	530,326	523,626
	At&T Inc 3.4% 05/25	262,999	258,954
	Charles Schwab Corporation 3.85%05/25	326,310	331,506
	Stryker Corp 3.375% 11/25	360,458	348,041
	Dowdupont Inc 4.493%11/25	288,608	293,430
	Anheuser-Busch Companies Llc / A Pp 144A 3.65% 02/25	505,064	458,592
	Comcast Corp 3.15% 03/26	705,501	664,983
	Loews 3.75% 04/26	373,075	346,868
	Bp Cap Markets America 3.119%05/26	440,880	404,342
	Deere John Cap Corp 2.65%06/26	296,599	278,769
	Bank New York Mellon Corp Medium 2.45% 08/26	340,005	343,590
	Ameriprise Finl Inc 2.875%09/26	354,259	330,562
	Nike Inc 2.375% 11/26	385,208	370,988
	Apple Inc 3.35% 02/26	342,048	331,293
	National Rural Utils Coop Fin 3.05% 04/22	699,061	670,768
	Lowes 3.1% 05/27	362,949	333,515
	Union Elec Co 2.95% 06/27	335,814	334,239
	Wells Fargo Company 4.3%07/27	654,637	629,549
	Mfrs & Traders Tr Co Bk Nt Progr 3.4% 08/27	358,603	346,107
	United Parcel Service 3.05%11/27	341,217	323,847
	Erp Oper Ltd Partnership 3.5%03/27	392,638	384,035
	Pnc Bank 4.05% 07/28	336,233	336,521
	Conoco Inc Sr Nts 6.95%04/29	653,197	612,072
	Comcast Corp 4.25% 01/33	521,807	501,556
	Pacific Gas & Elec Co 6.05%03/34	113,161	83,390
	Hsbc Bank Usa 5.875% 11/34	190,582	179,264
	Medtronic Inc 4.375% 03/35	379,378	353,225
	Ge Cap Intl Fdg Co Medium Term N 4.418% 11/35	643,269	517,618
	Anheuser-Busch Companies Llc / A Pp 144A 4.7% 02/35	554,333	519,344
	Microsoft Corp 4.1% 02/36	423,032	436,118
	Amazon Com Inc 3.875%08/37	333,380	328,358
	Pacificorp 6.25% 10/37	342,775	320,538
	Unitedhealth Group Inc 6.625%11/37	471,776	485,025
	Oracle Corporation 6.5%04/38	539,886	535,371
	Energy Transfer Partners L P 7.5% 07/38	75,477	72,556
	Jpmorgan Chase & Co 3.882%07/24/2037	654,257	644,815
	Florida Pwr & Lt Co 5.25%040	341,423	318,414
	Southwestern 1St Mtg Bd Ser No 1 4.5% 08/41	483,777	451,163
	Raytheon 4.7% 12/15/2041-2041	278,207	272,205
	Georgia Pwr Co Sr Nt Ser 2012A 4.3% 03/42	490,868	428,349
	Berkshire Hathaway 4.3%05/15/2043	296,436	304,686
	Burlington Northn Santa Fe Llc Deb 5.15% 09/43	352,990	330,309
	Midamerican Energy Co 4.8%09/43	665,479	667,767

MAHLE Industries, Inc. Retirement Plan**Schedule of Assets Held at End of Year (Continued)**

Form 5500, Schedule H, Line 4i
EIN 58-2431334, Plan No. 001
December 31, 2018

(a)(b) Identity of Issuer	(c) Description of Investment	(d) Cost	(e) Current Value
	General Electric Co 4.5%03/44	\$ 645,375	\$ 493,426
	Consolidated Edison Co 4.45%03/43	568,675	553,979
	Apple Inc 4.375% 05/45	601,667	558,563
	Pepsico Inc 4.45% 04/45	572,392	506,505
	Lowes 3.7% 04/45	329,299	293,594
	Allstate Corp 4.2% 12/46	328,334	315,608
	Microsoft Corp 4.25%02/46	536,660	561,627
	Southern Calif Edison Co 4%04/46	487,408	444,624
	Ameren Illinois Company 3.7%12/47	327,141	310,046
	Intel Corp 3.734% 12/47	552,525	528,700
	Baker Hughes A Ge Co Llc / Baker 4.08% 12/47	333,405	309,019
	Wal-Mart Stores Inc 3.625%12/47	269,116	257,771
	Travelers Cos Inc 4.05%03/7	336,093	329,552
	Texas Instrs Inc 4.15% 05/47	313,069	314,316
	Southwestern 4.4% 11/48	198,710	201,696
	Transcanada Pipelines Ltd 3.125% 01/19	292,974	284,974
	Lyondellbasell Inds N V Sr Nt 5%04/19	376,810	350,381
	Alibaba Group Hldg Ltd 2.5%11/19	344,131	338,144
	Shire Acquisitions Invts Ireland 2.4% 09/21	344,539	333,608
	America Movil S A De C V Sr Nt 3.125% 07/22	561,982	534,073
	Cnooc Fin 2013 Ltd 3% 05/23	723,178	733,529
	Toronto Dominion Bank 3.5%07/23	339,538	342,339
	Alibaba Group Hldg Ltd 3.6%11/24	362,330	342,366
	Shell Intl Fin B V 2.5% 9/26	290,191	274,084
	Norsk Hydro 6.8%01/28	551,744	484,388
	Burlington Resources 7.2%08/31	350,923	322,738
	Stat Oil Asa 3.95% 05/43	257,845	252,895
	Hyundai Cap Amer Medium Term Nts 3% 10/20	250,255	247,185
	Kinder Morgan Inc Del 144A 5% 02/21	331,773	332,969
	Metropolitan Life Global Fdg I M 3% 01/23	507,227	487,313
	Sprint Spectrum Co Llc / Sprint Pp 144A 3.36% 03/23	403,000	393,766
	Aviation Cap Group Llc Pp 144A 3.875% 05/23	359,143	352,703
	Marathon Pete Corp Pp 144A 4.75%12/23	401,974	384,788
	Drive Auto Receivables Tr 2017-A 144A 4.16% 05/24	355,059	353,943
	Siemens Financieringsmaatschappi 144A 3.4% 03/27	705,360	666,300
	Gilead Sciences Inc Sr Nt 4%09/01/2036-2036	399,977	360,090
	S C Johnson & Son Inc Pp 144A 4.35% 09/44	679,776	677,436
	Electricite De France Pp 144A 4.95% 10/45	187,635	158,309
	Ace Ina Hldg Inc 4.35% 11/45	285,631	247,080
Comerica Bank	Other debt securities:		
	Government Natl Mtg Assn Gtd Mul Pool #776B20 2.6% 12/56	313,633	299,536
	Hudsons Bay Simon Jv Tr 2015-Hbs Cmo 4.1545% 08/34	368,170	356,911
	Credit Suisse Mortgage Tr Cmo 4.3733% 09/17	237,982	231,933
	Sfave Coml Mtg Secs Tr 2015-5Ave Cmo 4.38801% 01/43	466,950	444,037

MAHLE Industries, Inc. Retirement Plan**Schedule of Assets Held at End of Year (Continued)**

Form 5500, Schedule H, Line 4i
EIN 58-2431334, Plan No. 001
December 31, 2018

(a)(b) Identity of Issuer	(c) Description of Investment	(d) Cost	(e) Current Value
	Fremf 2015-K50 Mtg Tr Cmo 3.77912% 10/48	\$ 402,361	\$ 406,674
	Government Natl Mtg Assn Gtd Mul Cmo 2.5% 01/49	311,952	313,415
	Fremf 2016-K53 Mortgage Trust Cmo 4.01891% 03/49	308,463	307,624
	Government Natl Mtg Assn Gtd Mul Cmo 2.6% 04/50	184,201	179,332
	Jpmcc Coml Mtg Secs Tr 2017-Jp7 Cmo 3.657809% 09/50	379,016	358,615
	Government Natl Mtg Assn Gtd Mul Cmo 2.6% 12/56	267,854	251,392
	Government Natl Mtg Assn Gtd Mul Cmo 2.6% 07/57	520,625	482,276
	Wells Fargo Coml Mtg Tr 2016-Lc2 Cmo 4.420249% 12/59	76,435	76,759
	Government National Mortgage Cmo 3% 11/60	369,125	380,674
	Drive Auto Receivables Tr 2017-B 3.72% 10/22	311,835	310,588
	Americredit Automobile Receivabl Abs 3.42% 04/23	389,908	389,127
	Americredit Automobile Receivabl Abs 3.18% 07/23	462,013	455,759
	Hertz Veh Fing li Lp Abs 3.29%	424,877	424,519
	California St Utgo Taxable-Var Purp 7.55% 04/39	2,731	2,865
	Federal Natl Mtg Assn Cmo 3.697%09/30	487,588	500,872
	Cim Tr 2018-R3 Cmo 4% 09/57	326,947	326,947
Comerica Bank	Hedge fund - Archstone Offshore Fund Ltd.	27,984	22,302
Comerica Bank	Limited partnership - Bpif Non Taxable Lp	10,837,241	14,640,376
	Total	\$ 89,722,789	\$ 96,713,938

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 32
Schedule of Amortization Bases
as of January 1, 2018

Type of Base	Date Established	Initial Amount	Remaining Amortization Period (Years)	Outstanding Balance	Amortization Payment
1 Shortfall	01/01/2018	5,288,614	7.00000	5,288,614	863,365
2 Shortfall	01/01/2017	4,302,805	6.00000	3,816,308	706,572
3 Shortfall	01/01/2016	4,829,653	5.00000	3,699,997	797,972
4 Shortfall	01/01/2015	2,485,458	4.00000	1,562,136	413,339
5 Shortfall	01/01/2014	4,682,940	3.00000	2,263,622	783,732
Total				16,630,677	3,564,980

Plan Name: MAHLE Industries, Incorporated Retirement Plan
EIN / PN: 58-2431334 / 001
Plan Sponsor: MAHLE Industries, Incorporated
Valuation Date: January 1, 2018