

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 2022 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022	
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)
E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here.	☐

Part II Basic Plan Information —enter all requested information		
1a Name of plan VGNA VOL INVESTMENT PRETAX PLAN	1b Three-digit plan number (PN) ▶	008
	1c Effective date of plan	01/01/1985
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) VOLVO GROUP NORTH AMERICA, LLC LOU ANN FOULKS, GRP TRUCKS-AMERICAS 8003 PIEDMONT TRIAD PARKWAY GREENSBORO, NC 27409	2b Employer Identification Number (EIN) 58-2431188	
	2c Plan Sponsor's telephone number	336-541-1231
	2d Business code (see instructions)	336100

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.	10/11/2023	LOU ANN FOULKS
	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 (2022)
v. 220413

3a Plan administrator's name and address ☒ Same as Plan Sponsor		3b Administrator's EIN
		3c Administrator's telephone number
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 8615
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		6a(1) 6771
a(2) Total number of active participants at the end of the plan year		6a(2) 5386
b Retired or separated participants receiving benefits		6b 110
c Other retired or separated participants entitled to future benefits.....		6c 1798
d Subtotal. Add lines 6a(2) , 6b , and 6c		6d 7294
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.		6e 38
f Total. Add lines 6d and 6e		6f 7332
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item).....		6g 7158
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....		6h 239
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: 2E 2F 2G 2J 2K 2S 2T 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	
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) ☐ 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 2022 Form M-1 annual report. If the plan was not required to file the 2022 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 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
		2022
		This Form is Open to Public Inspection.

For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan VGNA VOL INVESTMENT PRETAX PLAN	B Three-digit plan number (PN) ▶	008
C Plan sponsor's name as shown on line 2a of Form 5500 VOLVO GROUP NORTH AMERICA, LLC	D Employer Identification Number (EIN) 58-2431188	

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
TRANSAMERICA RETIREMENT SOLUTIONS
13-3689044

(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)

TRANSAMERICA RETIREMENT SOLUTIONS

13-3689044

(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?
12 15 28 37 38 50 54 59 61 62 63 64 65	RECORDKEEPER	457826	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

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

CURCIO WEBB

36-4171366

(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?
16 50 70	CONSULTANT	48210	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

NATIONAL FINANCIAL SERVICES

04-3523567

(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?
33 71	SECURITIES BROKER	0	Yes ☒ No ☐	Yes ☐ No ☒	0	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
NATIONAL FINANCIAL SERVICES	33 71	0

(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.
DODGE & COX 555 CALIFORNIA STREET 40TH FLOOR SAN FRANCISCO, CA 94104	REVENUE SHARING SEE ATTACHMENT TO LINE 2(H)

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
NATIONAL FINANCIAL SERVICES	33 71	0

(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.
WESTERN ASSET MGMT 385 EAST COLORADO BOULEVARD PASADENA, CA 91101	REVENUE SHARING SEE ATTACHMENT TO LINE 2(H)

(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
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(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) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration	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 2022 This Form is Open to Public Inspection.
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan VGNA VOL INVESTMENT PRETAX PLAN	B Three-digit plan number (PN) ►	008
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 VOLVO GROUP NORTH AMERICA, LLC	D Employer Identification Number (EIN) 58-2431188	

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)
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a Name of MTIA, CCT, PSA, or 103-12 IE: GALLIARD STABLE RETURN E		
b Name of sponsor of entity listed in (a): GALLIARD CAPITAL MANAGEMENT		
c EIN-PN 52-2250951-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 103908768
a Name of MTIA, CCT, PSA, or 103-12 IE: TARGET RETIREMENT FUND TRUST		
b Name of sponsor of entity listed in (a): VOLVO GROUP NORTH AMERICA, LLC		
c EIN-PN 58-2431188-015	d Entity code M	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 349007099
a Name of MTIA, CCT, PSA, or 103-12 IE: FIDELITY CONTRAFUND COMMINGLED POOL		
b Name of sponsor of entity listed in (a): FIDELITY		
c EIN-PN 04-3022712-133	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 119199559
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
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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
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plan sponsor**c** EIN-PN

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	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 2022 This Form is Open to Public Inspection				
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>						
A Name of plan <u>VGNA VOL INVESTMENT PRETAX PLAN</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">B Three-digit plan number (PN) ►</td> <td style="width: 20%; text-align: center;"><u>008</u></td> </tr> <tr> <td colspan="2" style="height: 20px;"></td> </tr> </table>		B Three-digit plan number (PN) ►	<u>008</u>		
B Three-digit plan number (PN) ►	<u>008</u>					
C Plan sponsor's name as shown on line 2a of Form 5500 <u>VOLVO GROUP NORTH AMERICA, LLC</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">D Employer Identification Number (EIN) <u>58-2431188</u></td> <td style="width: 20%;"></td> </tr> </table>		D Employer Identification Number (EIN) <u>58-2431188</u>			
D Employer Identification Number (EIN) <u>58-2431188</u>						

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	
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....		1b(1)	183351817354
(2) Participant contributions.....		1b(2)	259231392206
(3) Other.....		1b(3)	1936623343
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....		1c(1)	
(2) U.S. Government securities		1c(2)	
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred		1c(3)(A)	
(B) All other		1c(3)(B)	
(4) Corporate stocks (other than employer securities):			
(A) Preferred		1c(4)(A)	
(B) Common.....		1c(4)(B)	
(5) Partnership/joint venture interests		1c(5)	
(6) Real estate (other than employer real property)		1c(6)	
(7) Loans (other than to participants).....		1c(7)	
(8) Participant loans.....		1c(8)	898396310214312
(9) Value of interest in common/collective trusts.....		1c(9)	263969222223108327
(10) Value of interest in pooled separate accounts		1c(10)	
(11) Value of interest in master trust investment accounts.....		1c(11)	377933422349007099
(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)	506607389407277966
(14) Value of funds held in insurance company general account (unallocated contracts).....		1c(14)	
(15) Other		1c(15)	

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	1157557620	992840607

Liabilities

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

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	1157557620	992840607
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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) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	53021987	
(B) Participants	2a(1)(B)	47062927	
(C) Others (including rollovers)	2a(1)(C)	4939795	
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		105024709
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)		
(C) Corporate debt instruments	2b(1)(C)		
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans	2b(1)(E)	410232	
(F) Other	2b(1)(F)		
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		410232
(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)	6503562	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		6503562
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)		
(B) Aggregate carrying amount (see instructions)	2b(4)(B)		
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)		
(B) Other	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		-43435488
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		-61932042
(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)		-101012528
c Other income	2c		
d Total income. Add all income amounts in column (b) and enter total	2d		-94441555
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	73080616	
(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)		73080616
f Corrective distributions (see instructions)	2f		5142
g Certain deemed distributions of participant loans (see instructions)	2g		29182
h Interest expense	2h		
i Administrative expenses: (1) Professional fees	2i(1)		
(2) Contract administrator fees	2i(2)		
(3) Investment advisory and management fees	2i(3)	50610	
(4) Other	2i(4)	457826	
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		508436
j Total expenses. Add all expense amounts in column (b) and enter total	2j		73623376
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d	2k		-168064931
l Transfers of assets:			
(1) To this plan	2l(1)		4320615
(2) From this plan	2l(2)		972697

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) ☒ Unmodified (2) ☐ Qualified (3) ☐ Disclaimer (4) ☐ Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) ☒ DOL Regulation 2520.103-8 (2) ☐ DOL Regulation 2520.103-12(d) (3) ☐ neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

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

(1) Name: CLIFTONLARSONALLEN LLP

(2) EIN: 41-0746749

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.)

	Yes	No	Amount
4a		X	

	Yes	No	Amount
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.)			
4b		X	
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?	X		1000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
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.)	X		
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		X	
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		X	

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)
ARROW TRUCK SALES, INC. 401(K) RETIREMENT PLAN	44-0564026	003
VOLVO INVESTMENT PLAN	38-2496821	004
VOLVO PENTA MARINE PRODUCTS, LLC RETIREMENT SAVINGS PLAN	62-1529065	001

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

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 2022 This Form is Open to Public Inspection.
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan VGNA VOL INVESTMENT PRETAX PLAN		B Three-digit plan number (PN) ► 008
C Plan sponsor's name as shown on line 2a of Form 5500 VOLVO GROUP NORTH AMERICA, LLC		D Employer Identification Number (EIN) 58-2431188
Part I	Distributions	
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 0
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): 13-3689044		
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
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.)	
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	
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		
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.	
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) 2022 v. 220413		

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (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 deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:	
a	The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment).....	14a
b	The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14b
c	The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	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.....	15a
b	The corresponding number for the second preceding plan year.....	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	16a
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.....	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: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%

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): _____

20 PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20.

a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☐ No

b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:

☐ Yes.

☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.

☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.

☐ No. Other. Provide explanation _____

**VOLVO GROUP NORTH AMERICA VOLUNTARY
INVESTMENT PRETAX PLAN**

**FINANCIAL STATEMENTS AND
ERISA-REQUIRED SUPPLEMENTAL SCHEDULE**

**AS OF DECEMBER 31, 2022 AND 2021 AND
FOR THE YEAR ENDED DECEMBER 31, 2022**



CPAs | CONSULTANTS | WEALTH ADVISORS

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VOLVO GROUP NORTH AMERICA VOLUNTARY INVESTMENT PRETAX PLAN
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AS OF DECEMBER 31, 2022 AND 2021 AND
FOR THE YEAR ENDED DECEMBER 31, 2022

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INDEPENDENT AUDITORS' REPORT

Benefit Plans Committee
Volvo Group North America Voluntary Investment Pretax Plan
Greensboro, North Carolina

Report on the Audit of the Financial Statements

Scope and Nature of the ERISA Section 103(a)(3)(C) Audit for the 2021 Financial Statements

We have performed an audit of the accompanying financial statements of Volvo Group North America Voluntary Investment Pretax Plan (the Plan), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), as permitted by ERISA Section 103(a)(3)(C) (ERISA Section 103(a)(3)(C) audit). The financial statements comprise the statement of net assets available for benefits as of December 31, 2022 and 2021, and the related statement of changes in net assets available for benefits for the year ended December 31, 2022, and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audit of the financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's (DOL) Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audit need not extend to any statements or information related to assets held for investment of the Plan (investment information) by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency, provided that the statements or information regarding assets so held are prepared and certified to by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of the DOL's Rules and Regulations for Reporting and Disclosure under ERISA (qualified institution).

Management has obtained a certification from a qualified institution as of December 31, 2022 and 2021 and for the year ended December 31, 2022, stating that the certified investment information, as described in Note 3 to the financial statements, is complete and accurate.

Opinion on the Financial Statements

In our opinion, based on our audit and on the procedures performed as described in the Auditors' Responsibilities for the Audit of the Financial Statements section:

- The amounts and disclosures in the financial statements referred to above, other than those agreed to or derived from the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America.

- The information in the financial statements referred to above related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Basis for Opinion on the Financial Statements

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of Volvo Group North America Voluntary Investment Pretax Plan and to meet our other ethical responsibilities in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for 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. Management's election of the ERISA Section 103(a)(3)(C) audit does not affect management's responsibility for the financial statements.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about Volvo Group North America Voluntary Investment Pretax Plan's ability to continue as a going concern for one year after the date that the financial statements are available to be issued.

Management is also responsible for maintaining a current Plan instrument, including all Plan amendments, administering the Plan, and determining that the Plan's transactions that are presented and disclosed in the financial statements are in conformity with the Plan's provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or which may become due to such participants.

Auditors' Responsibilities for the Audit of the Financial Statements

Except as described in the Scope and Nature of the ERISA Section 103(a)(3)(C) Audit of the Financial Statements section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of Volvo Group North America Voluntary Investment Pretax Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about Volvo Group North America Voluntary Investment Pretax Plan's ability to continue as a going concern for a reasonable period of time.

Our audit did not extend to the certified investment information, except for obtaining and reading the certification, comparing the certified investment information with the related information presented and disclosed in the financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of accounting principles generally accepted in the United States of America.

Accordingly, the objective of an ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the financial statements as a whole are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control related matters that we identified during the audit.

Other Matters

Supplemental Schedule Required by ERISA

The supplemental schedule of assets (held at end of year) as of December 31, 2022 is presented for purposes of additional analysis and is not a required part of the financial statements but is supplementary information required by the DOL's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements.

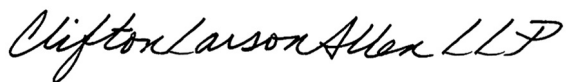
Benefit Plans Committee
Volvo Group North America Voluntary Investment Pretax Plan

The information included in the supplemental schedule, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS. For information included in the supplemental schedule that agreed to or is derived from the certified investment information, we compared such information to the related certified investment information.

In forming our opinion on the supplemental schedule, we evaluated whether the supplemental schedule, other than the information agreed to or derived from the certified investment information, including their form and content, are presented in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion:

- The form and content of the supplemental schedule, other than the information in the supplemental schedule that agreed to or is derived from the certified investment information, is presented, in all material respects, in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.
- The information in the supplemental schedule related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).



CliftonLarsonAllen LLP

Charlotte, North Carolina
September 1, 2023

VOLVO GROUP NORTH AMERICA VOLUNTARY INVESTMENT PRETAX PLAN
STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS
DECEMBER 31, 2022 AND 2021

ASSETS	<u>2022</u>	<u>2021</u>
INVESTMENTS (at Fair Value)		
Collective Trust Funds	\$ 223,108,327	\$ 263,969,222
Mutual Funds	407,277,966	506,607,389
Plan's Interest in Master Trust	<u>348,972,327</u>	<u>377,883,589</u>
Total Investments at Fair Value	979,358,620	1,148,460,200
RECEIVABLES		
Employee Contributions	1,392,149	25,923
Company Contributions	1,825,131	-
Notes Receivable from Participants	<u>10,311,592</u>	<u>9,062,201</u>
Total Receivables	<u>13,528,872</u>	<u>9,088,124</u>
NET ASSETS AVAILABLE FOR BENEFITS	<u><u>\$ 992,887,492</u></u>	<u><u>\$ 1,157,548,324</u></u>

See accompanying Notes to Financial Statements.

**VOLVO GROUP NORTH AMERICA VOLUNTARY INVESTMENT PRETAX PLAN
STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
YEAR ENDED DECEMBER 31, 2022**

ADDITIONS:

INVESTMENT INCOME (LOSS)

Net Appreciation (Depreciation) in Fair Value of Investments	\$ (144,318,062)
Interest and Dividend Income	6,503,561
Master Trust Investment Income (Loss)	<u>(62,035,139)</u>
Total Investment Income (Loss)	(199,849,640)

INTEREST INCOME ON NOTES RECEIVABLE FROM PARTICIPANTS

397,494

CONTRIBUTIONS

Employee Contributions	47,062,870
Company Match	50,476,150
Company Transition Contributions	2,513,766
Rollover Contributions	<u>4,939,795</u>
Total Contributions	<u>104,992,581</u>

Total Additions (94,459,565)

DEDUCTIONS:

BENEFITS PAID TO PARTICIPANTS

73,040,599

ADMINISTRATIVE EXPENSES

508,583

Total Deductions 73,549,182

NET DECREASE PRIOR TO TRANSFERS

(168,008,747)

NET TRANSFERS FROM AFFILIATED PLANS

3,347,915

NET DECREASE

(164,660,832)

NET ASSETS AVAILABLE FOR BENEFITS:

Beginning of Year	<u>1,157,548,324</u>
End of Year	<u><u>\$ 992,887,492</u></u>

See accompanying Notes to Financial Statements.

VOLVO GROUP NORTH AMERICA VOLUNTARY INVESTMENT PRETAX PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022 AND 2021

NOTE 1 DESCRIPTION OF PLAN

The following description of the Volvo Group North America Voluntary Investment Pretax Plan (the Plan) is provided for general information only. Participants should refer to the Plan document for a more complete description of the Plan's provisions.

General

The Plan is a defined contribution plan established by Volvo Group North America, LLC (the Company) as of January 1, 1985. The Plan has been amended throughout the years to comply with tax legislation and was most recently restated effective January 1, 2014, and most recently amended December 21, 2021. All nonbargaining employees who are regularly employed by the Company and bargaining employees, as allowed by collective bargaining agreements, are able to participate in the Plan. The Plan is administered by the Company, and is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA), as amended. The Benefit Plans Committee is responsible for the oversight of the Plan. The Investment Committee determines the appropriateness of the Plan's investment offerings, monitors investment performance, and reports to the Benefit Plans Committee.

Contributions

Participants may elect to contribute to the Plan by deferring 1% to 75% of their compensation during the Plan year, up to the maximum amount allowable in accordance with Internal Revenue Code (IRC) Section 402(g). Employees are automatically entered into the Plan 30 days after becoming eligible with a 3% deferral contribution rate (increasing to 5% for any hired or rehired employee on or after January 1, 2021) if they do not expressly elect either to contribute an amount other than 3% or to opt out of the Plan. Effective January 1, 2022, the Plan allowed for a special automatic enrollment whereby any employee not enrolled or any participant deferring less than 5% will be enrolled in the Plan at a 5% deferral rate if they do not expressly elect either to contribute an amount other than 5% or to opt out of the Plan. Effective January 1, 2023, the Plan will include an auto escalation clause whereby a participants' deferral rate will increase 1% on January 1, 2023, and then will increase 1% of April 1 of each subsequent year until the participant's deferral rate reaches 10%. The Plan also allows for Roth contributions to be made into the Plan.

Effective January 1, 2022, for all eligible employees, the Employer match will be 100% of the employees' contributions up to 5% of their compensation during the Plan year. The Plan allows for the Company to make profit sharing contributions regardless of any current or accumulated net profits.

Participants may also contribute amounts representing distributions from other qualified defined benefit or defined contribution plans (rollover). Participants direct the investment of contributions into various investment options offered by the Plan. Contributions are subject to certain Internal Revenue Service (IRS) limitations.

VOLVO GROUP NORTH AMERICA VOLUNTARY INVESTMENT PRETAX PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022 AND 2021

NOTE 1 DESCRIPTION OF PLAN (CONTINUED)

Automatic and Transition Contributions

Effective January 1, 2022, for all eligible employees, the Employer shall make automatic contributions as a percentage of compensation as follows:

<u>Age of Participant as of January 1</u>	<u>Percent of Compensation</u>
Up to 29	1%
30 - 34	2%
35 - 39	3%
40 - 44	4%
45 - 49	5%
50 - 54	6%
55 and over	7%

For each Plan year beginning on January 1, 2022, and ending on December 31, 2026, the Employer shall make a transition contribution of 1% of compensation for eligible participating employees provided that the employee was:

- (1) Hired before January 1, 2013, and
- (2) Ceased to earn pension benefits under the Volvo Group North America Retirement Plan (Pension Plan) as a result of the amendment to freeze benefit accruals under the Pension Plan as of December 31, 2021.

Participant Accounts

Subject to certain eligibility requirements outlined in the Plan document, participant accounts are credited with the participant's contribution, the Company's matching contributions, and an allocation of the Company's profit sharing contribution. Participant accounts are also credited with an allocation of Plan earnings and charged with an allocation of administrative expenses based on participant earnings or account balances, or participant transactions, as defined. The benefit to which a participant is entitled to is the benefit that can be provided by the participant's vested account.

Vesting

Participants are immediately vested in their contributions plus actual earnings thereon. Vesting in the Company's contribution portion of their accounts plus actual earnings thereon is based on years of continuous service. A participant vests 20% per year and is 100% vested after five years of vesting service. Effective January 1, 2022, a participant vests one-third per year and is 100% vested after three years of vesting service. Notwithstanding the above, a participant is fully vested upon reaching normal retirement age, upon death or upon permanent disability.

VOLVO GROUP NORTH AMERICA VOLUNTARY INVESTMENT PRETAX PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022 AND 2021

NOTE 1 DESCRIPTION OF PLAN (CONTINUED)

Master Trust

Volvo Group North America, LLC (VGNA) has established Volvo Group North America, LLC Target Retirement Fund Trust (the Master Trust) for the Plan and other retirement plans of affiliates of VGNA. The purpose of the Master Trust is to pool investment transactions and achieve uniform rates of return on comparable funds under all the affiliated plans. The Plan deposits funds in the Master Trust and owns an undivided interest in the net assets of the Master Trust.

Notes Receivable from Participants

Participants may borrow from their accounts a minimum of \$1,000 up to a maximum equal to the lesser of \$50,000 or 50% of their vested account balance. Notes are secured by the balance in the participant's account and bear interest at market rates. Principal and interest are paid ratably through payroll deductions.

Payment of Benefits

Employees may receive the value of their account as a lump sum distribution upon termination, retirement, death, or disability, or they may elect to receive their benefits payable in quarterly, semiannual, or annual installments of substantially equal amounts over a certain period of years. If a participant terminated employment and the participant's account balance was never greater than \$1,000, the Plan administrator may authorize the benefit payment without the participant's consent. The Plan also allows for in-service distributions or withdrawals in the case of financial hardship subject to certain restrictions.

Effective April 1, 2015, the Plan was amended to allow participants to receive their benefits payable in monthly installments of substantially equal amounts over a certain period of years.

Forfeited Accounts

At December 31, 2022 and 2021, forfeited nonvested accounts totaled approximately \$275,200 and \$290,200, respectively. These accounts will be used to reduce future Company contributions. Forfeitures used to reduce Company contributions totaled approximately \$837,300 for the year ended December 31, 2022.

VOLVO GROUP NORTH AMERICA VOLUNTARY INVESTMENT PRETAX PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022 AND 2021

NOTE 2 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting

The accompanying financial statements are prepared on the accrual basis of accounting, in accordance with accounting principles generally accepted in the United States of America.

Investment Valuation and Income Recognition

The Plan's investments are reported at fair value. Fair value is 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. The Plan's Investment Committee determines the Plan's valuation policies utilizing information provided by the investment advisers and trustee. See Note 5 for discussion of fair value measurements.

The Plan's investment in the Master Trust represents the fair value of the Plan's proportionate share of the underlying net assets of the Master Trust. The pro rata share of investment income represents the Plan's proportionate share of total investment income of the Master Trust. Investment income includes recognition and allocation of interest income, dividend income, and realized and unrealized gains and losses, based upon each participating plan's share of the underlying net assets.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net appreciation includes the Plan's gains and losses on investments bought and sold as well as held during the year.

Master Trust Investment Fund

The value of the Plan's interest in the Master Trust is based on the beginning of year value of the Plan's interest in the trust plus actual contributions and allocated investment income less actual distributions and allocated administrative expenses. At December 31, 2022 and 2021, the Plan's interest in the net assets of the Master Trust was approximately 56.99% and 56.51%, respectively. Investment income and administrative expenses relating to the Master Trust are allocated to individual plans based upon the amount of time the Plan's assets were invested in the Master Trust.

Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Interest income is recorded on the accrual basis. Related fees are recorded as administrative expenses and are expensed when they are incurred. No allowance for credit losses has been recorded as of December 31, 2022 and 2021. Delinquent notes receivable are recorded as distributions on the basis of the terms of the Plan document.

Benefit Payments

Benefit payments to participants are recorded upon distribution.

VOLVO GROUP NORTH AMERICA VOLUNTARY INVESTMENT PRETAX PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022 AND 2021

NOTE 2 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

Administrative Expenses

The Plan's expenses are paid by either the Plan or the Company, as provided by the Plan document. Expenses paid directly by the Company are excluded from these financial statements. Certain expenses incurred in connection with the general administration of the Plan that are paid by the Plan are recorded as deductions in the accompanying statement of changes in net assets available for benefits. In addition, certain investment related expenses are included in net appreciation of fair value of investments presented in the accompanying statement of changes in net assets available for benefits.

Use of Estimates

The preparation of financial statements in accordance with accounting principles generally accepted in the United States of America requires the Plan administrator to make estimates and assumptions that affect the reported amounts of assets, liabilities, and changes therein, and disclosures of contingent assets and liabilities. Actual results may differ from those estimates.

Subsequent Events

The Plan has evaluated subsequent events through September 1, 2023, the date the financial statements were available to be issued.

NOTE 3 CERTIFICATION OF INVESTMENT INFORMATION

State Street Bank and Trust Company, the trustee of the Plan, has supplied the Plan administrator with a certification as to the completeness and accuracy of notes receivable from participants and investment information reflected on the accompanying statements of net assets available for benefits as of December 31, 2022 and 2021, and the related investment activity reflected in the statement of changes in net assets available for benefits for the year ended December 31, 2022, and the supplemental schedule of assets (held at end of year) as of December 31, 2022.

NOTE 4 INVESTMENT IN MASTER TRUST

The Plan and certain other employee benefit plans of AB Volvo participate in a Master Trust. The following is a summary of investments, other assets, and liabilities, at fair value, in the Master Trust and the Plan's proportionate interest in the Master Trust as of December 31, 2022 and 2021, that was certified as complete and accurate by Massachusetts Fidelity Trust Company (Master Trust) and State Street Bank and Trust Company (Plan's Interest in Master Trust), as trustees, and furnished to the Plan administrator.

VOLVO GROUP NORTH AMERICA VOLUNTARY INVESTMENT PRETAX PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022 AND 2021

NOTE 4 INVESTMENT IN MASTER TRUST (CONTINUED)

	Master Trust 2022	Plan's Interest in Master Trust 2022	Master Trust 2021	Plan's Interest in Master Trust 2021
Investments				
CCT - Stable Return Fund	\$ 21,992,292	\$ 12,533,218	\$ 24,799,997	\$ 14,013,500
CCT - Target Date Funds	590,443,471	336,488,641	644,303,288	364,070,334
CCT - Expense Account	61,015	-	-	-
Total Investments	612,496,778	349,021,859	669,103,285	378,083,834
Other Assets				
Pending Trades	(86,915)	(49,532)	(354,379)	(200,245)
Total Assets	<u>\$ 612,409,863</u>	<u>\$ 348,972,327</u>	<u>\$ 668,748,906</u>	<u>\$ 377,883,589</u>

Unaudited investment income of the Master Trust is as follows for the years ended December 31:

	Amount
Net Appreciation (Depreciation) in Fair Value	\$ (123,270,403)
Net Investment Gain - CCTs	1,080,903
Dividends	13,070,097
Total Income (Loss)	<u>\$ (109,119,403)</u>

NOTE 5 FAIR VALUE OF INVESTMENTS

The framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3). The three levels of the fair value hierarchy are described as follows:

Level 1 – Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.

Level 2 – Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly, such as:

- quoted prices for similar assets or liabilities in active markets;
- quoted prices for identical or similar assets or liabilities in inactive markets;
- inputs other than quoted prices that are observable for the asset or liability;
- inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

Level 3 – Inputs to the valuation methodology are unobservable and significant to the fair market value measurement.

VOLVO GROUP NORTH AMERICA VOLUNTARY INVESTMENT PRETAX PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022 AND 2021

NOTE 5 FAIR VALUE OF INVESTMENTS (CONTINUED)

The asset or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques maximize the use of relevant observable inputs and minimize the use of unobservable inputs.

Following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the valuation methodologies used at December 31, 2022 and 2021.

Collective Trust Funds – Valued at the NAV of units of the bank collective trust. NAV is a readily determinable fair value and is the basis for current transactions. Participant transactions (purchases and sales) may occur daily. If the Plan initiates a full redemption of the collective trust, the issuer reserves the right to temporarily delay withdrawal from the trust in order to ensure that securities liquidations will be carried out in an orderly business manner.

Mutual Funds – Valued at the daily closing price as reported by the fund. Mutual funds held by the Plan are open-end mutual funds that are registered with the Securities and Exchange Commission. These funds are required to publish their daily net asset value (NAV) and to transact at that price. The mutual funds held by the Plan are deemed to be actively traded.

Collective Trust Funds and Mutual Funds

The following tables set forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31:

2022				
	Level 1	Level 2	Level 3	Total
Collective Trust Funds	\$ -	\$ 223,108,327	\$ -	\$ 223,108,327
Mutual Funds	407,277,966	-	-	407,277,966
Total Investments at Fair Value	<u>\$ 407,277,966</u>	<u>\$ 223,108,327</u>	<u>\$ -</u>	<u>\$ 630,386,293</u>

2021				
	Level 1	Level 2	Level 3	Total
Collective Trust Funds	\$ -	\$ 263,969,222	\$ -	\$ 263,969,222
Mutual Funds	506,607,389	-	-	506,607,389
Total Investments at Fair Value	<u>\$ 506,607,389</u>	<u>\$ 263,969,222</u>	<u>\$ -</u>	<u>\$ 770,576,611</u>

VOLVO GROUP NORTH AMERICA VOLUNTARY INVESTMENT PRETAX PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022 AND 2021

NOTE 5 FAIR VALUE OF INVESTMENTS (CONTINUED)

Master Trust

Following is a description of the valuation methodology used for investments in the Plan's interest in the Master Trust. There has been no change in the valuation methodology used at December 31, 2022 and 2021.

Master Trust: The Master Trust consists of collective trust funds that are valued at NAV on the basis of readily determinable market prices as described above.

The following tables set forth by level, within the fair value hierarchy, the Master Trust's assets at fair value as of December 31:

	2022			
	Level 1	Level 2	Level 3	Total
CCT - Stable Return Fund	\$ -	\$ 21,992,292	\$ -	\$ 21,992,292
CCT - Target Date Funds	-	590,443,471	-	590,443,471
CCT - Expense Account	-	61,015	-	61,015
Total Trust Funds at Fair Value	<u>\$ -</u>	<u>\$ 612,496,778</u>	<u>\$ -</u>	<u>\$ 612,496,778</u>

	2021			
	Level 1	Level 2	Level 3	Total
CCT - Stable Return Fund	\$ -	\$ 24,799,997	\$ -	\$ 24,799,997
CCT - Target Date Funds	-	644,303,288	-	644,303,288
Total Trust Funds at Fair Value	<u>\$ -</u>	<u>\$ 669,103,285</u>	<u>\$ -</u>	<u>\$ 669,103,285</u>

NOTE 6 RISKS AND UNCERTAINTIES

The Plan invests in various investment securities. Investment securities are exposed to various risks such as interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of the investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statements of net assets available for benefits.

NOTE 7 PLAN TERMINATION

Although it has not expressed any intent to do so, the Company has the right under the Plan to discontinue contributions at any time and to terminate the Plan subject to the provisions of ERISA. In the event of Plan termination, the participants would become 100% vested in their Company contributions.

VOLVO GROUP NORTH AMERICA VOLUNTARY INVESTMENT PRETAX PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022 AND 2021

NOTE 8 PLAN TAX STATUS

The Plan is placing reliance on an opinion letter dated January 29, 2015, in which the IRS stated that the Plan, as then designed, was in compliance with the applicable requirements of the IRC. The Plan has been amended since receiving the determination letter. However, the Plan administrator and the Plan's tax counsel believe the Plan is currently designed and being operated in compliance with the applicable requirements of the IRC and, therefore, believes that the Plan is qualified, and the related trust is tax-exempt.

Accounting principles generally accepted in the United States of America require Plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the organization has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan is subject to routine audits by taxing jurisdictions; and the IRS is currently conducting an examination of the Plan.

NOTE 9 PARTY-IN-INTEREST TRANSACTIONS

The recordkeeping services and management of the investments are provided by Transamerica Retirement Solutions and State Street Bank and Trust Company, the recordkeeper and the trustee of the Plan, respectfully. Therefore, these transactions qualify as party-in-interest transactions. These party-in-interest transactions are exempt from the prohibited transaction rules of ERISA.

NOTE 10 TRANSFERS WITH OTHER PLANS

Certain employees participating in retirement plans sponsored by subsidiaries of AB Volvo may transfer their employment from one subsidiary to another. Upon transferring employment, their retirement plan balances may also be transferred to a related subsidiary's plan. These transfers between plans are included in net transfers from affiliated plans on the statement of changes in net assets available for benefits.

NOTE 11 RECONCILIATION OF FINANCIAL STATEMENTS TO FORM 5500

The following is a reconciliation of net assets available for benefits per the financial statements to Form 5500 as of December 31:

	2022	2021
Net Assets Available for Benefits per Financial Statements	\$ 992,887,492	\$ 1,157,548,324
Accrued Investment Income	58,115	69,199
Contributions and Other Receivables	(7,720)	18,335
Deemed Distributed Participant Loans	(97,280)	(78,238)
Net Assets Available for Benefits per Form 5500	<u>\$ 992,840,607</u>	<u>\$ 1,157,557,620</u>

VOLVO GROUP NORTH AMERICA VOLUNTARY INVESTMENT PRETAX PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022 AND 2021

NOTE 11 RECONCILIATION OF FINANCIAL STATEMENTS TO FORM 5500 (CONTINUED)

The following is a reconciliation of changes in net assets available for benefits per the financial statements to Form 5500 for the year ended December 31, 2022:

Change in Net Assets Prior to Transfers per Financial Statements	\$ (168,008,747)
Change in Accrued Investment Income	(11,084)
Change in Contributions and Other Receivables	(26,055)
Deemed Distributions of Participant Loans	(19,045)
Change in Net Assets Prior to Transfers per Form 5500	<u>\$ (168,064,931)</u>

VOLVO GROUP NORTH AMERICA VOLUNTARY INVESTMENT PRETAX PLAN
E.I.N. 58-2431188 PLAN NO. 008
SCHEDULE H, LINE 4i—SCHEDULE OF ASSETS (HELD AT END OF YEAR)
DECEMBER 31, 2022

(a)	(b)	(c)	(d)	(e)
	Identity of Issue, Borrower, Lessor, or Similar Party	Description of Investment Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost**	Current Value
		<u>Collective Trust Funds:</u>		
	Galliard	Galliard Stable Return Fund		\$ 103,166,944
	Galliard	Galliard Stable Return Fund - Unallocated Funds		464,137
	Galliard	Galliard Stable Value Fund - Unallocated Forfeitures		275,152
	Galliard	Galliard Stable Value Fund - Unallocated Advanced Employer		2,535
	Fidelity	Fidelity Contra Fund Commingled Pool		119,199,559
		Total Collective Trust Funds		<u>223,108,327</u>
		<u>Mutual Funds:</u>		
	Dodge & Cox	Dodge & Cox International Stock Fund		17,550,940
	Neuberger & Berman	Neuberger & Berman Genesis Fund		62,643,844
	Delaware	Delaware Small Cap Value Fund		11,213,624
	Vanguard	Vanguard International Growth Admin Fund		28,974,417
	Vanguard	Vanguard Extended Market Index Fund		27,805,163
	Vanguard	Vanguard Windsor II Fund		66,105,242
	Vanguard	Vanguard Institutional Index Inv Plan		155,987,544
	Vanguard	Vanguard Total Bond Market Index		2,309,325
	Vanguard	Vanguard Total International Stock Index		4,503,952
	Legg Mason	Western Asset Core Plus Bond Fund		30,183,915
		Total Mutual Funds		<u>407,277,966</u>
*	Massachusetts Fidelity Trust	VGNA, LLC Target Retirement Fund Trust***		349,007,099
*	Participant Loans	4.25% - 8.00%	-	<u>10,214,312</u>
		Total Assets (Held at End of Year)		<u><u>\$ 989,607,704</u></u>

* Designated as a party-in-interest as defined by ERISA

** Cost omitted for participant-directed investments

*** Not required to be included but presented herein to be consistent with Form 5500 presentation

Schedule C, Line 2(h) Formula Descriptions

Volvo Group North America Voluntary Investment Pretax Plan
EIN No.: 58-2431188, Plan No. 008
Plan Year Ending: 12/31/2022

Indirect Compensation in the form of revenue sharing was paid to the following Service Providers:

NATIONAL FINANCIAL SERVICES 04-3523567

Revenue amounts are shown in annualized basis points of plan assets invested in applicable fund

Fund Family	Fund Name	Start Date	End Date	Revenue to National Financial Services
DODGE & COX	DODGE & COX INTERNATIONAL STOCK I	1/1/2022	12/31/2022	0.300
WESTERN ASSET MGMT	WESTERN ASSET CORE PLUS BOND	1/1/2022	12/31/2022	0.300

VOLVO GROUP NORTH AMERICA VOLUNTARY INVESTMENT PRETAX PLAN
E.I.N. 58-2431188 PLAN NO. 008
SCHEDULE H, LINE 4i—SCHEDULE OF ASSETS (HELD AT END OF YEAR)
DECEMBER 31, 2022

(a)	(b)	(c)	(d)	(e)
	Identity of Issue, Borrower, Lessor, or Similar Party	Description of Investment Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost**	Current Value
		<u>Collective Trust Funds:</u>		
	Galliard	Galliard Stable Return Fund		\$ 103,166,944
	Galliard	Galliard Stable Return Fund - Unallocated Funds		464,137
	Galliard	Galliard Stable Value Fund - Unallocated Forfeitures		275,152
	Galliard	Galliard Stable Value Fund - Unallocated Advanced Employer		2,535
	Fidelity	Fidelity Contra Fund Commingled Pool		119,199,559
		Total Collective Trust Funds		<u>223,108,327</u>
		<u>Mutual Funds:</u>		
	Dodge & Cox	Dodge & Cox International Stock Fund		17,550,940
	Neuberger & Berman	Neuberger & Berman Genesis Fund		62,643,844
	Delaware	Delaware Small Cap Value Fund		11,213,624
	Vanguard	Vanguard International Growth Admin Fund		28,974,417
	Vanguard	Vanguard Extended Market Index Fund		27,805,163
	Vanguard	Vanguard Windsor II Fund		66,105,242
	Vanguard	Vanguard Institutional Index Inv Plan		155,987,544
	Vanguard	Vanguard Total Bond Market Index		2,309,325
	Vanguard	Vanguard Total International Stock Index		4,503,952
	Legg Mason	Western Asset Core Plus Bond Fund		30,183,915
		Total Mutual Funds		<u>407,277,966</u>
*	Massachusetts Fidelity Trust	VGNA, LLC Target Retirement Fund Trust***		349,007,099
*	Participant Loans	4.25% - 8.00%	-	<u>10,214,312</u>
		Total Assets (Held at End of Year)		<u><u>\$ 989,607,704</u></u>

* Designated as a party-in-interest as defined by ERISA

** Cost omitted for participant-directed investments

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