Document Title: **Description**	Function Group: **000**	Information Type: **Service Information**	Date: **5/1/2026**
Profile: **P8720B Volvo PID:12768767**			

Description

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P8720B Volvo PID:12768767			

The machine is designed for installation of concrete.
The engine is a six-cylinder, four-stroke, in-line diesel engine with direct injection and water cooling.

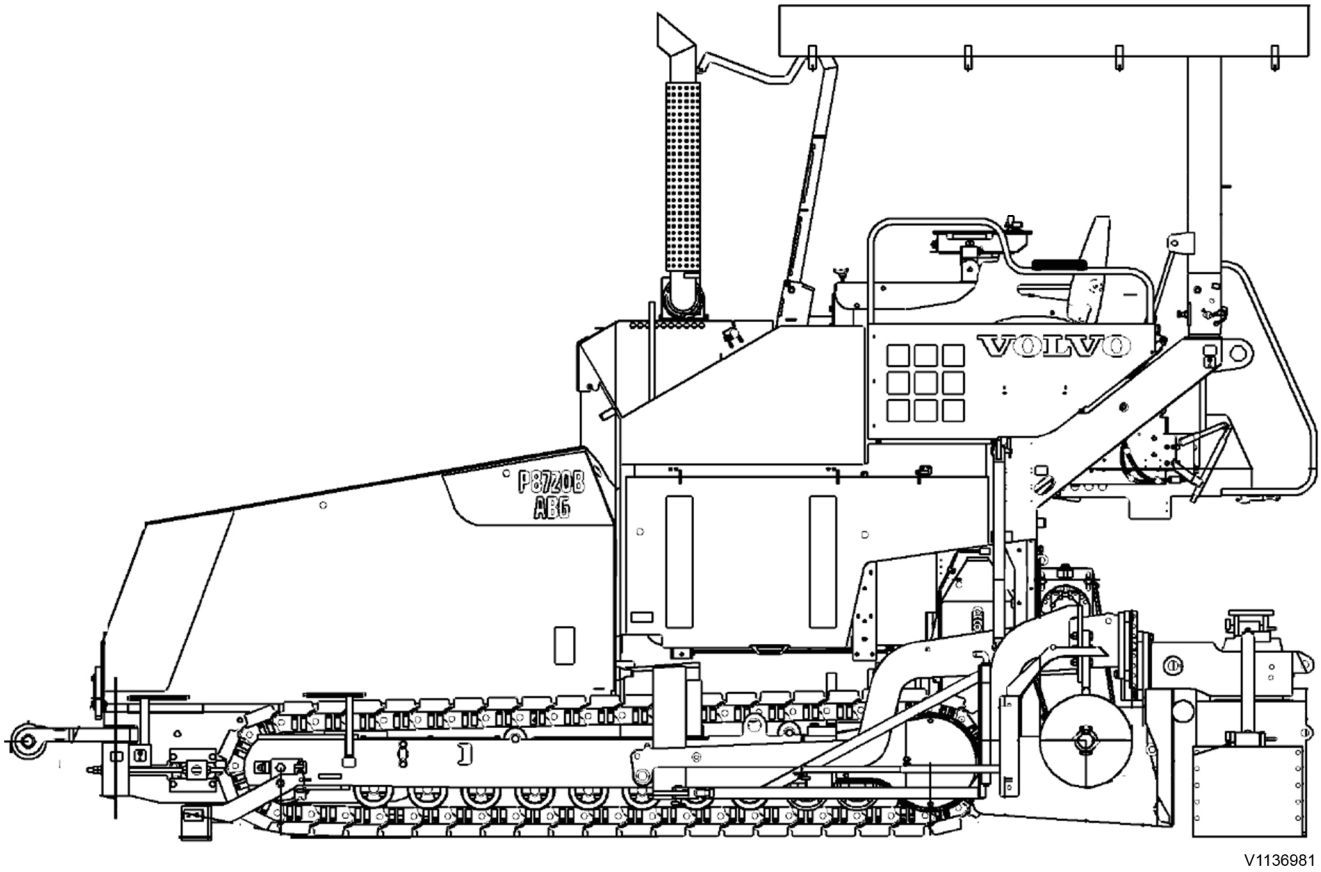

Figure 1
General View

Document Title: **Standard tightening torques**	Function Group: **030**	Information Type: **Service Information**	Date: **5/1/2026**
Profile: **P8720B Volvo PID:12768767**			

Standard tightening torques

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P8720B Volvo PID:12768767			

Tightening torques in the following tables refer to bolted joints with tensile strength according to the below. The tables should be regarded as general guidelines for tightening bolted joints where nothing else is specified.

NOTE!
Increase the values by 10% for flange bolt type U6FS. Bolts and nuts should be clean and lubricated with oil.

Surface coating		**Coefficient of friction**
Non-electrolytic zinc plate coatings	ISO10683-FLZN/ZN/TL/480	0.08
	ISO10683-FLZN/ZN/TL/720	
	(ISO10683) Geomet 500A	0.12
Yellowish iridescent	ISO4042-A2C	
Electrolytic coating	ASTMF 1941 Fe/Zn5ANS	0.24

		Coefficient of friction					
		0.08		**0.12**		**0.24**	
Dimensions	**Strength classes**	**Tightening torque (Nm)**	**Tightening torques: (lbf ft)**	**Tightening torque (Nm)**	**Tightening torques: (lbf ft)**	**Tightening torque (Nm)**	**Tightening torques: (lbf ft)**
M4	8.8	2.3	1.7	3	2.21	3.8	2.8
	10.9	3.3	2.43	4.6	3.39	5.5	4.06
	12.9	3.9	2.87	5.1	3.76	6.5	4.79
M5	8.8	4.4	3.24	5.9	4.35	7.5	5.53
	10.9	6.5	4.79	8.6	6.34	11	8.11
	12.9	7.6	5.61	10	7.37	12.9	9.51
M6	8.8	7.7	5.67	10.1	7.44	13	9.59
	10.9	11.3	8.33	14.9	10.98	19.1	14.09
	12.9	13.2	9.73	17.4	12.83	22.3	16.45
M7	8.8	12.6	9.29	16.8	12.39	21.8	16.08
	10.9	18.5	13.64	24.7	18.21	32	23.6
	12.9	21.6	15.93	28.9	21.31	37.5	27.66
M8	8.8	18.5	13.64	24.6	18.14	31.7	23.38
	10.9	27.2	20.06	36.1	26.62	46.4	34.22
	12.9	31.8	23.45	42.2	31.12	54.4	40.12
M10	8.8	36	26.55	48	35.4	62.8	46.32
	10.9	53	39.09	71	52.36	92.3	68.08

	12.9	62	45.72	83	61.21	107	78.92
M12	8.8	63	46.46	84	61.95	108	79.66
	10.9	92	67.85	123	90.72	158.8	117.12
	12.9	108	79.65	144	106.20	185.5	136.82
M14	8.8	100	73.75	133	98.09	172.6	127.3
	10.9	146	107.68	195	143.82	252.9	186.53
	12.9	171	126.12	229	168.90	296.3	218.54
M16	8.8	153	112.84	206	151.93	268.6	198.11
	10.9	224	165.21	302	222.74	395.1	291.41
	12.9	262	193.24	354	261.09	462.5	341.12
M18	8.8	220	162.26	295	217.58	383.1	282.56
	10.9	314	231.59	421	310.51	546.5	403.08
	12.9	367	270.68	492	362.88	638.8	471.15
M20	8.8	308	227.16	415	306.08	542.8	400.35
	10.9	438	323.05	592	436.63	773.5	570.5
	12.9	513	378.36	692	510.39	904.6	667.2
M22	8.8	417	307.56	567	418.19	745.8	550.07
	10.9	595	438.84	807	595.21	1062.5	783.66
	12.9	696	513.34	945	696.99	1243.4	917.08
M24	8.8	529	390.17	714	526.61	933.2	688.29
	10.9	754	556.12	1017	750.1	1329.2	980.37
	12.9	882	650.52	1190	877.69	1555.4	1147.2
M27	8.8	772	569.39	1050	774.44	1382.8	1019.9
	10.9	1100	811.31	1496	1103.39	1969.8	1452.85
	12.9	1287	949.24	1750	1290.73	2304.9	1700
M30	8.8	1053	776.65	1428	1053.23	2090.8	1542.09
	10.9	1500	1106.34	2033	1499.46	2670.5	1969.66
	12.9	1755	1294.42	2380	1755.39	3125.5	2305.25

UNC threads, coarse pitch	**Nm**	**lbf ft**
1/4"	9 ±2	6.6 ±1.5
5/16"	18 ±4	13 ±3.0
3/8"	33 ±8	24 ±5.9
7/16"	54 ±14	40 ±10
1/2"	80 ±20	59 ±15
9/16"	120 ±30	89 ±22
5/8"	170 ±40	130 ±30
3/4"	300 ±70	220 ±52
7/8"	485 ±115	360 ±85
1"	725 ±175	530 ±130

Document Title: **Volvo standard tightening torques**	Function Group: **030**	Information Type: **Service Information**	Date: **5/1/2026**
Profile: **P8720B Volvo PID:12768767**			

Volvo standard tightening torques

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P8720B Volvo PID:12768767			

Tightening torques in the following tables refer to bolted joints with tensile strength according to the below. The tables should be regarded as general guidelines for tightening bolted joints where nothing else is specified.

NOTE!
Increase the values by 10% for flange bolt type U6FS. Bolts and nuts should be clean and lubricated with oil.

Metric coarse and fine threads, tensile strength class 8.8	**Nm**	**kpm**	**lbf ft**
M6	10 ±2	1,0 ±0,2	7,4 ±1,5
M8	24 ±5	2,4 ±0,5	18 ±3,5
M10	48 ±10	4,8 ±1,0	35 ±7,4
M12	85 ±18	8,5 ±1,8	63 ±13
M14	140 ±25	14,0 ±2,5	103 ±18
M16	220 ±45	22,0 ±4,5	160 ±33
M20	430 ±85	43,0 ±8,5	320 ±63
M24	740 ±150	74,0 ±15,0	550 ±110

Metric coarse and fine threads, tensile strength class 10.9	**Nm**	**kpm**	**lbf ft**
M6	12 ±2	1,2 ±0,2	9 ±1,5
M8	30 ±5	3,0 ±0,5	22 ±3,5
M10	60 ±10	6,0 ±1,0	44 ±7,4
M12	105 ±20	10,5 ±2,0	78 ±14,5
M14	175 ±30	17,5 ±3,0	130 ±22
M16	275 ±45	27,5 ±4,5	204 ±33
M20	540 ±90	54,0 ±9,0	400 ±66
M24	805 ±160	80,5 ±16,0	594 ±118

UNC-threads, coarse pitch	**Nm**	**kpm**	**lbf ft**
1/4"	9 ±2	0,9 ±0,2	6,6 ±1,5
5/16"	18 ±4	1,8 ±0,4	13 ±3,0
3/8"	33 ±8	3,3 ±0,8	24 ±5,9
7/16"	54 ±14	5,4 ±1,4	40 ±10

1/2"	80 ±20	8,0 ±2,0	59 ±15
9/16"	120 ±30	12,0 ±3,0	89 ±22
5/8"	170 ±40	17,0 ±4,0	130 ±30
3/4"	300 ±70	30,0 ±7,0	220 ±52
7/8"	485 ±115	48,5 ±11,5	360 ±85
1"	725 ±175	72,5 ±17,5	530 ±130

Document Title: **Component locations**	Function Group: **030**	Information Type: **Service Information**	Date: **5/1/2026**
Profile: **P8720B Volvo PID:12768767**			

Component locations

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P8720B Volvo PID:12768767			

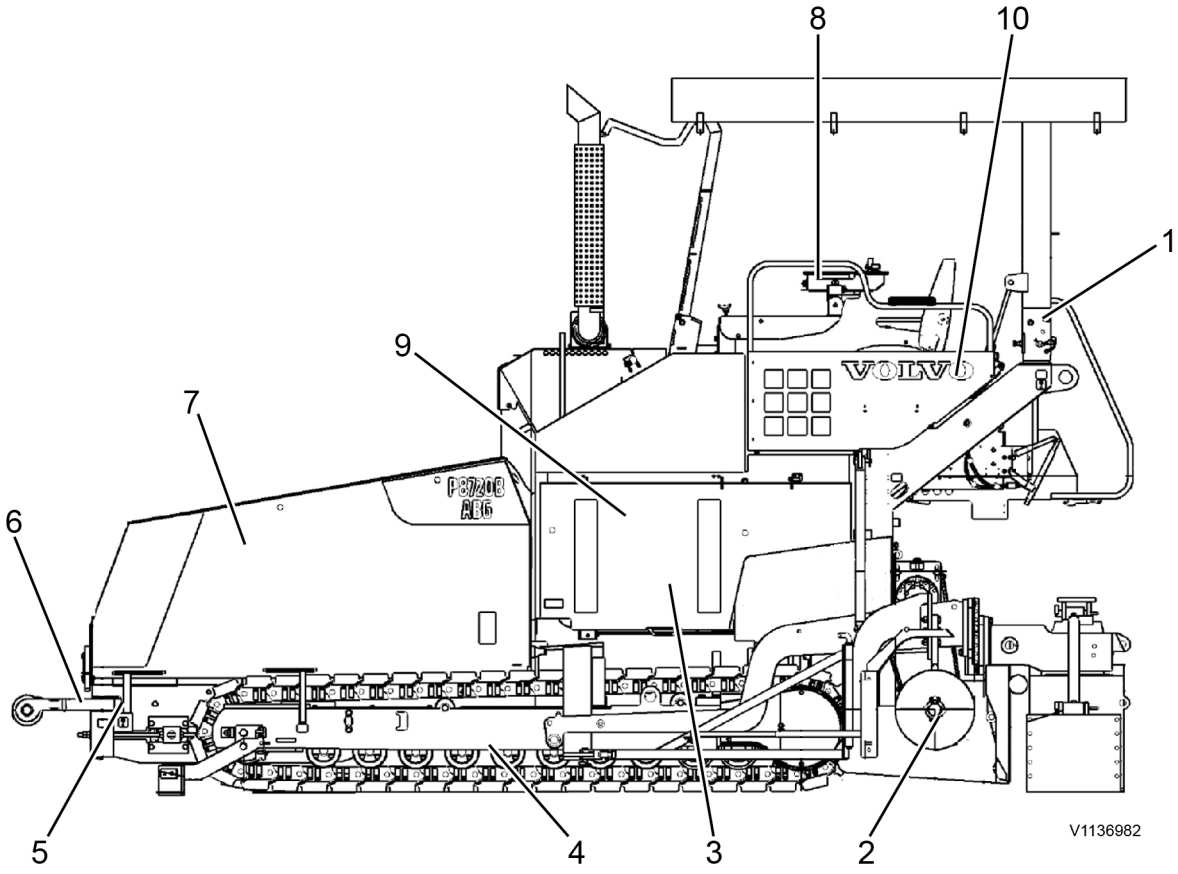

Figure 1
Machine view

Position	Description
1	Superstructure
2	Auger
3	Hydraulic
4	Travelling gear
5	Frame
6	Conveyors
7	Hopper

8	Control panel
9	Drive
10	Electrics

Document Title: **Dimensions**	Function Group: **030**	Information Type: **Service Information**	Date: **5/1/2026**
Profile: **P8720B Volvo PID:12768767**			

Dimensions

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P8720B Volvo PID:12768767			

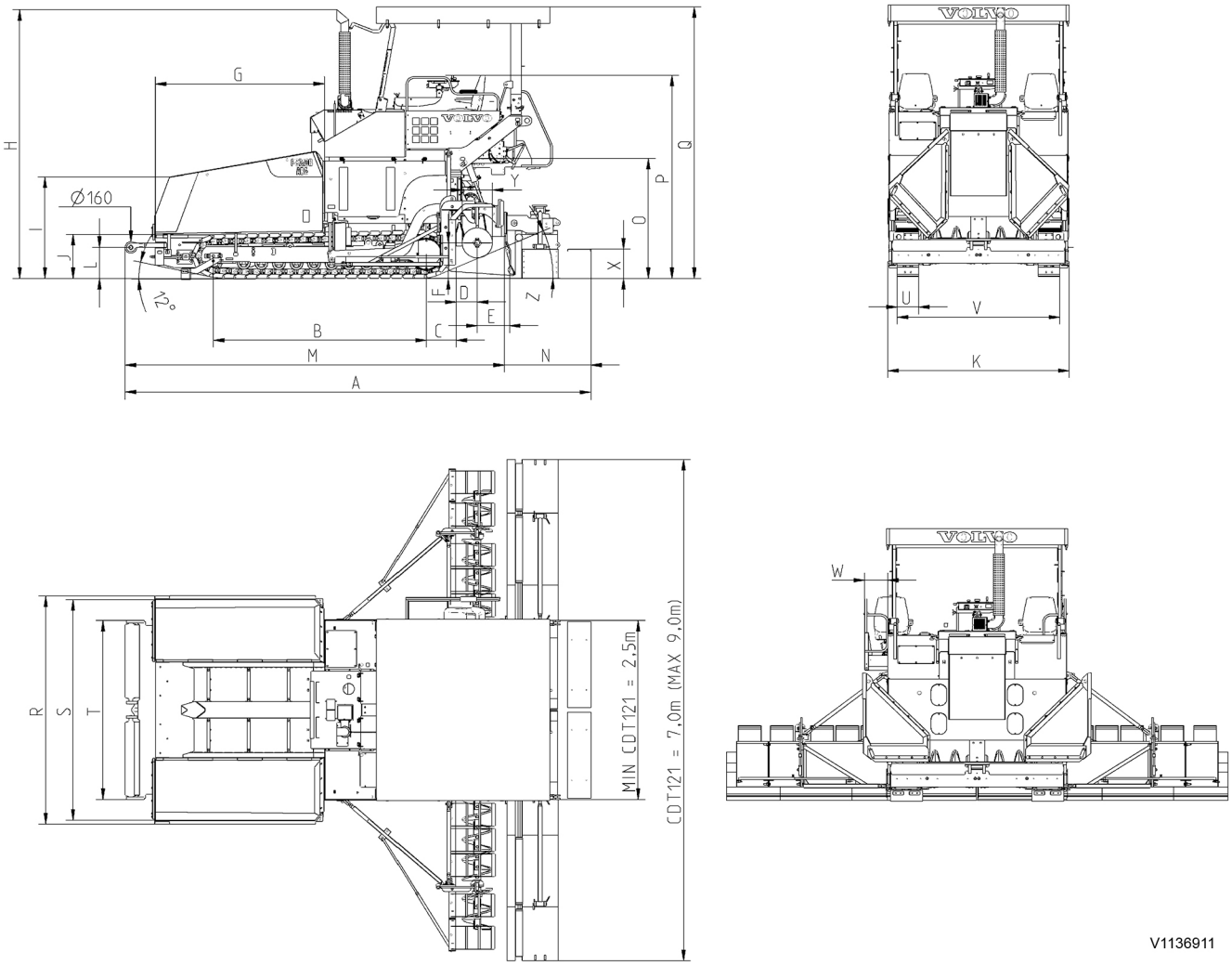

Figure 1
Dimensions, drawing P8720B

Size	A	B	C	D	E	F	G	H	I	J	K	L
mm	6489	2965	405	295	450	490 ±120	2340	3751	1431	630	2535	435
in	255.5	116.73	16	11.6	17.7	19.3 ±4.7	92.1	147.7	56.3	24.8	99.8	17.13

Size	M	N	O	P	Q		R		S	T	U	V
					UP	DOWN	OPEN	CLOSE				
mm	5283	1206	1675	2835	3788	2993	3190	2480	3085	2495	300	2269
in	208	47.5	66	111.6	149.1	117.8	125.6	97.6	121.5	98.23	11.81	89.33

Size	W	X	Y	Z
mm	320	418	360/420	min. 12°
in	12.6	16.5	14.17/16.53	

Document Title: **Instruments and controls, overview**	Function Group: **030**	Information Type: **Service Information**	Date: **5/1/2026**
Profile: **P8720B Volvo PID:12768767**			

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Instruments and operating controls, specifications

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P8720B Volvo PID:12768767			

Main control unit	
Function	Operate the machine yourself Indication, monitoring, data acquisition
Weight	12 kg (26 lbs)
1 Travel lever	Forward, stop, reverse
3 potentiometer	Speed, direction, tamper speed
16 Keys	Menu navigation, input
61 Keys	Direct machine operation
5 Keys	Machine functions
4 LEDs status display	3x green 1x orange
1 LED Fault message display	red
Interfaces	1 x CAN 1 x Service
Operating voltage	15 - 30 V
Software	Hardware specific
Display	LCD-Display
Dimension	96.5 mm (3.8 in)
Resolution	160 x 128 pixels
Back lighting	LED backlight
Interface	COM, CAN

Document Title: **Instruments and controls, overview**	Function Group: **030**	Information Type: **Service Information**	Date: **5/1/2026**
Profile: **P8720B Volvo PID:12768767**			

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Instruments and operating controls, specifications

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P8720B Volvo PID:12768767			

Screed control unit	
Number of external control panels per machine	2
Function	Operate the machine yourself Optical feedback of switch states via LED Display of machine data
Weight	3.2 kg (7.1 lbs)
4 keys	Menu navigation, input
15 keys	Direct machine operation
4 LEDs status display	3 x green 1 x green/red
Back lighting	LED, 24 V DC, non-adjustable light intensity
Interfaces	1 x CAN
Operating voltage	24 V
Software	proprietary
Display	two-line monochrome background lit

Document Title: **Instruments and controls, overview**	Function Group: **030**	Information Type: **Service Information**	Date: **5/1/2026**
Profile: **P8720B Volvo PID:12768767**			

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Instruments and operating controls, specifications

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P8720B Volvo PID:12768767			

Auxiliary control panel	
Function	Loading of machine onto transport vehicle Emergency operation together with external control panels if the control desk has failed
Weight	2.1 kg (4.6 lbs)
4 switchs	Direct machine operation
2 potentiometer	Direct machine operation
Feed cable	2 m (6.6 ft.) firmly connected with housing
Housing	Stainless steel
Interfaces	analog and digital 17 pin connector
Operating voltage	15 - 30 V

Document Title: **Instruments and controls, overview**	Function Group: **030**	Information Type: **Service Information**	Date: **5/1/2026**
Profile: **P8720B Volvo PID:12768767**			

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Instruments and operating controls, specifications

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P8720B Volvo PID:12768767			

Emergency stop button	
Switch module version	Normally closed
Switch module number	2
Protective functions	ISO 13850 EN 418 Forced opening to IEC/EN 60947-5-1
Weight	0.2 kg (0.44 lbs)

Document Title: **Conversion tables**	Function Group: **030**	Information Type: **Service Information**	Date: **5/1/2026**
Profile: **P8720B Volvo PID:12768767**			

Conversion tables

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P8720B Volvo PID:12768767			

Length

Unit	**cm**	**m**	**km**	**in**	**ft**	**yd**	**mile**
cm	1	0.01	0.00001	0.3937	0.03281	0.01094	0.000006
m	100	1	0.001	39.37	3.2808	1.0936	0.00062
km	100000	1000	1	39370.7	3280.8	1093.6	0.62137
in	2.54	0.0254	0.000025	1	0.08333	0.02777	0.000015
ft	30.48	0.3048	0.000304	12	1	0.3333	0.000189
yd	91.44	0.9144	0.000914	36	3	1	0.000568
mile	160930	1609.3	1.6093	63360	5280	1760	1
1 mm = 0.1 cm - 1 mm = 0.001 mm							

Area

Unit	**cm^2**	**m^2**	**km^2**	**a**	**ft^2**	**yd^2**	**in^2**
cm^2	1	0.0001	-	0.000001	0.001076	0.000012	0.155000
m^2	10000	1	0.000001	0.01	10.764	1.1958	1550.000
km^2	-	1000000	1	10000	1076400	1195800	-
a	0.01	100	0.0001	1	1076.4	119.58	-
ft^2	-	0.092903	-	0.000929	1	0.1111	144.000
yd^2	-	0.83613	-	0.008361	9	1	1296.00
in^2	6.4516	0.000645	-	-	0.006943	0.000771	1
1 ha = 100 a - 1 $mile^2$ = 259 ha = 2.59 km^2							

Volume

Unit	**cm^3 = cc**	**m^3**	**l**	**in^3**	**ft^3**	**yd^3**
cm^3 = ml	1	0.000001	0.001	0.061024	0.000035	0.000001
m^3	1000000	1	1000	61024	35.315	1.30796
dm^3(l)	1000	0.001	1	61.024	0.035315	0.001308
in^3	16.387	0.000016	0.01638	1	0.000578	0.000021
ft^3	28316.8	0.028317	28.317	1728	1	0.03704
yd^3	764529.8	0.76453	764.53	46656	27	1
1 gal (US) = 3785.41 cm^3 = 231 in^3 = 0.83267 gal (UK)						

Weight

Unit	g	kg	t	oz	lb
g	1	0.001	0.000001	0.03527	0.0022
kg	1000	1	0.001	35.273	2.20459
t	1000000	1000	1	35273	2204.59
oz	28.3495	0.02835	0.000028	1	0.0625
lb	453.592	0.45359	0.000454	16	1
1 ton (metric) = 1.1023 ton (US) = 0.9842 ton (UK)					

Pressure

Unit	kp/cm^2	bar	$Pa=N/m^2$	kPa	lbf/in^2	lbf/ft^2
kp/cm^2	1	0.98067	98066.5	98.0665	14.2233	2048.16
bar	1.01972	1	100000	100	14.5037	2088.6
$Pa=N/m^2$	0.00001	0.001	1	0.001	0.00015	0.02086
kPa	0.01020	0.01	1000	1	0.14504	20.886
lbf/in^2	0.07032	0.0689	6894.76	6.89476	1	144
lbf/ft^2	0.00047	0.00047	47.88028	0.04788	0.00694	1
kg/cm^2 = 735.56 Dry (mmHg) = 0.96784 atm						

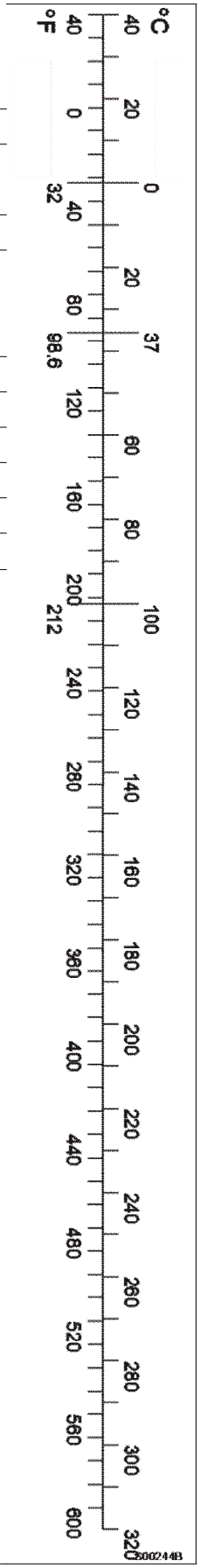
Unit explanations

Unit	abbreviation
Newton meter	Nm
Kilopoundmeter	kpm
Kilopascal	kPa
Megapascal	MPa
Kilowatt	kW
kilojoule	kJ
British thermal unit	Btu
Calorie	cal

Approx. conversion

SI unit	Conversion factor	Non SI	Conversion factor	SI
Torque				
Nm	x10.2	=kg/cm	x0.8664	=lb in
Nm	x0.74	=lbf·ft	x1.36	=Nm
Nm	x0.102	=kg/m	x7.22	=lbft
Pressure ($Pa = N/m^2$)				
kPa	x4.0	$=in.H_2O$	x0.249	=kPa
kPa	x0.30	=in.Hg	x3.38	=kPa
kPa	x0.145	=psi	x6.89	=kPa
bar	x14.5	=psi	x0.069	=bar
kp/cm^2	x14.22	=psi	x0.070	$=kp/cm^2$
N/mm^2	x145.04	=psi	x0.069	=bar
MPa	x145	=psi	x0.00689	=MPa
Power (W = J/s)				
kW	x1.36	=hp(cv)	x0.736	=kW

kW	x1.34	=bhp	x0.746	=kW
kW	x0.948	=Btu/s	x1.055	=kW
W	x0.74	=ft·lb/s	x1.36	=W
Energy (J = Nm)				
kJ	x0.948	=Btu	x1.055	=kJ
J	x0.239	=calorie	x4.19	=J
Speed and acceleration				
m/s^2	x3.28	$=ft/s^2$	x0.305	$=m/s^2$
m/s	x3.28	=ft/s	x0.305	=m/s
km/h	x0.62	=mph	x1.61	=km/h
Horsepower/torque				
Bhp x5252 rpm= TQ (lb·ft)			TQ x rpm 5252=bhp	
Temperature				
ºC =(ºF-32)/1.8			ºF =(ºC x1.8) +32	
Flow factor				
l/min (dm^3/min)	x0.264	= US gal/min x3.785		=liter/min



Document Title: **Transporting the machine**	Function Group: **050**	Information Type: **Service Information**	Date: **5/1/2026**
Profile: **P8720B Volvo PID:12768767**			

Machine, transporting

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P8720B Volvo PID:12768767			

WARNING

If the machine is to be driven from a loading dock onto the platform of a truck trailer or railway car, make sure that the vehicle is securely braked, for example, wheels blocked. Make sure that there is no risk that the vehicle cannot roll over or sway in a dangerous manner when the machine is driven on.

- Raise auger to top position.
- Move the screed into the transport position and lock it in the transport attachment.
- Drive machine onto transport vehicle.
  NOTE!
  Drive straight onto the transport vehicle so that the machine cannot slip sideways from the ramp.
- Lower screed onto transport vehicle.
- Turn off the engine.
- Remove main control panel and external control panels and store securely.
- Flap down the all-weather roof.
- Withdraw battery isolation switch.
- Lash machine securely to transport vehicle.

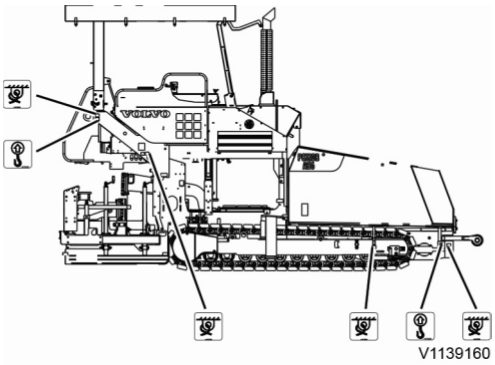


Figure 1
Lashing points

Secure (lash) the machine to the loading platform of the transport vehicle so it cannot tip over or roll away.

Marker plate for lashing

Lifting of machine

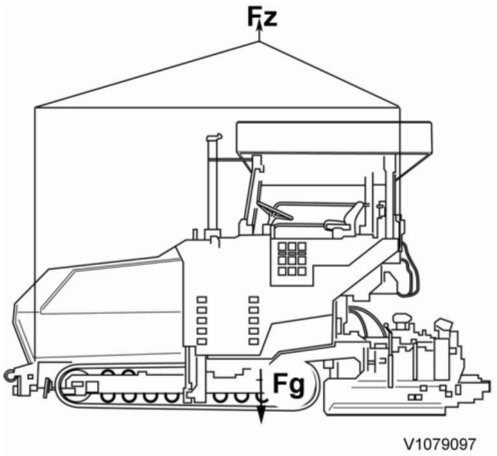


Figure 2
Lifting of machine

Position	Descriptions
Fg	Centre of gravity
Fz	Tractive power

To raise the machine, use the stop points provided. Stop points: see picture.

Marking plate - Load/lift V1068640

Document Title: **Operation numbers for additional work**	Function Group: **070**	Information Type: **Service Information**	Date: **5/1/2026**
Profile: **Tracked Pavers (PAT)**			

Operation numbers for additional work

Showing Selected Profile

These operations can be used to identify work that is not included in the time guide or described in the methods in the Service Manual. When these operations are used, a description of the work that has been performed must be provided.

Other work related to engine
Op. no. 070-210
This operation can be used when work has been done related to the engine and function group 2 when no applicable method description was available. When this operation is used, additional information is required:

- Description of work that has been done

Other work related to electrical system
Op. no. 070-310
This operation can be used when work has been done related to the electrical system and function group 3 when no applicable method description was available. When this operation is used, additional information is required:

- Description of work that has been done

Other work related to transmission, gearbox, travel motor, swing motor
Op. no. 070-410
This operation can be used when work has been done related to the transmission, gearbox, travel motor or swing motor and function group 4 when no applicable method description was available. Hhen this operation is used, additional information is required:

- Description of work that has been done

Other work related to drive axle
Op. no. 070-470
This operation can be used when work has been done related to the drive axle and function group 46 when no applicable method description was available. When this operation is used, additional information is required:

- Description of required work that have been done

Other work related to brake system
Op. no. 070-510
This operation can be used when work has been done related to the brake system and function group 5 when no applicable

method description was available. When this operation is used, additional information is required:

- Description of work that has been done

Other work related to steering system
Op. no. 070-610
This operation can be used when work has been done related to the steering system and function group 6 when no applicable method description was available. When this operation is used, additional information is required:

- Description of work that has been done

Other work related to frame link, axle suspension
Op. no. 070-710
This operation can be used when work has been done related to the frame link, axle suspension and other parts related to function group 7 when no applicable method description was available. When this operation is used, additional information is required:

- Description of work that has been done

Other work related to cab, air conditioning
Op. no. 070-810
This operation can be used when work has been done related to the cab, air conditioning and other parts related to function group 8 when no applicable method description was available. When this operation is used, additional information is required:

- Description of work that has been done

Other work related to hydraulic system
Op. no. 070-910
This operation can be used when work has been done related to the hydraulic system and other parts related to function group 9 when no applicable method description was available. When this operation is used, additional information is required:

- Description of work that has been done

Document Title: **E-7006**	Function Group: **080**	Information Type: **Service Information**	Date: **5/1/2026**
Profile: **P8720B Volvo PID:12768767**			

E-7006

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P8720B Volvo PID:12768767			

All dimensions in mm.

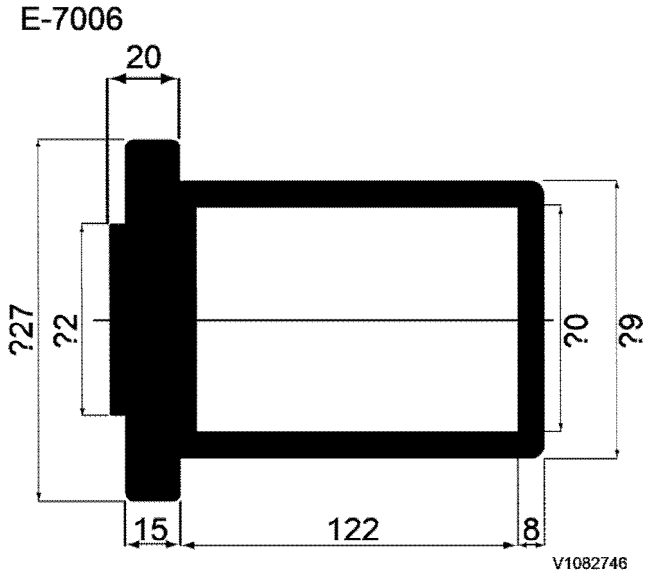


Figure 1
E-7006 Drift
Material: S355 JR or better.

VOLVO

Service Information

Document Title:	Function Group:	Information Type:	Date:
E-7008	**080**	**Service Information**	**5/1/2026**
Profile: **P8720B Volvo PID:12768767**			

E-7008

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P8720B Volvo PID:12768767			

All dimensions in mm.

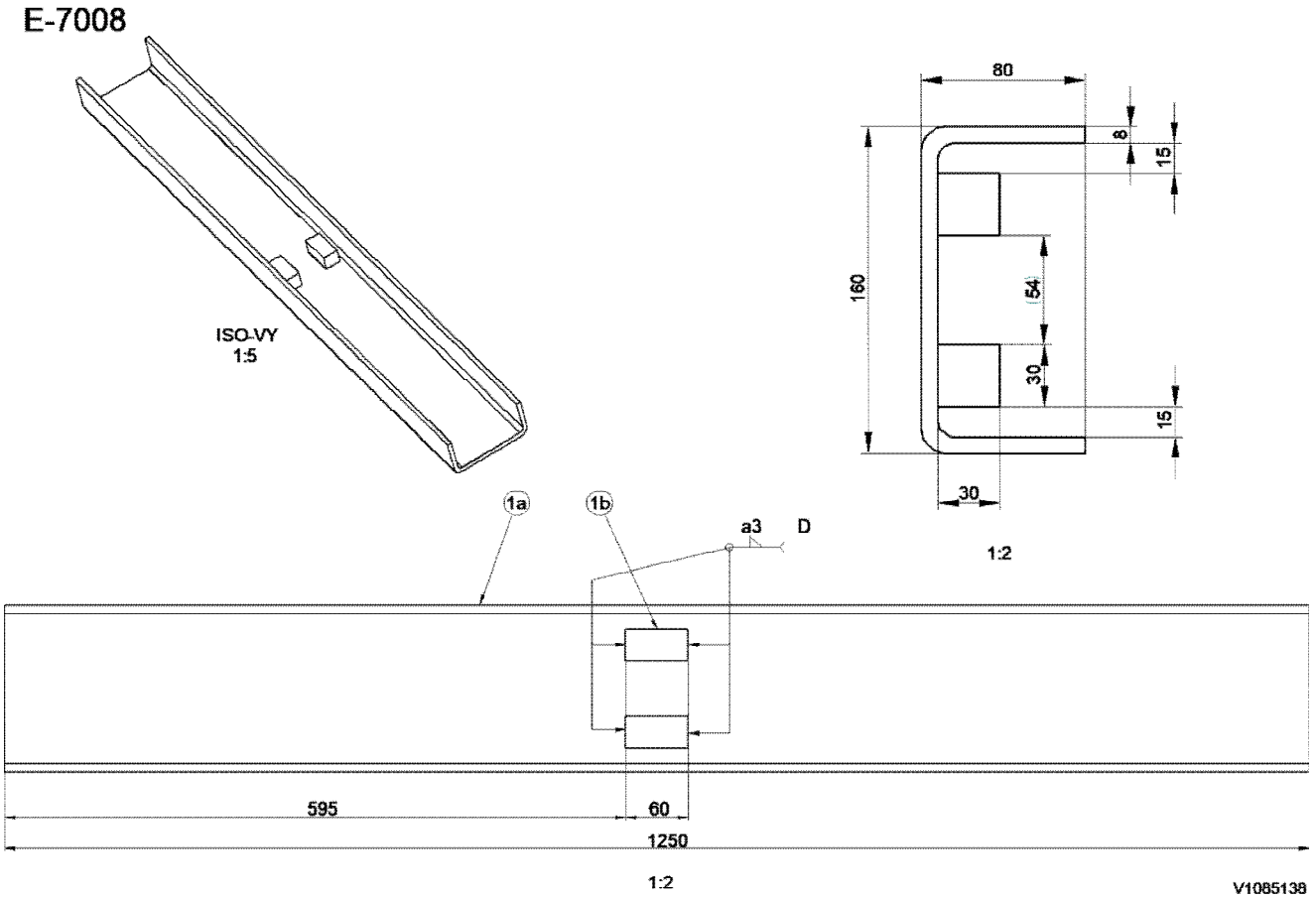


Figure 1
E-7008 U bar
Material: S355 JR or better.

Document Title: **E-7009**	Function Group: **080**	Information Type: **Service Information**	Date: **5/1/2026**
Profile: **P8720B Volvo PID:12768767**			

E-7009

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P8720B Volvo PID:12768767			

All dimensions in mm.

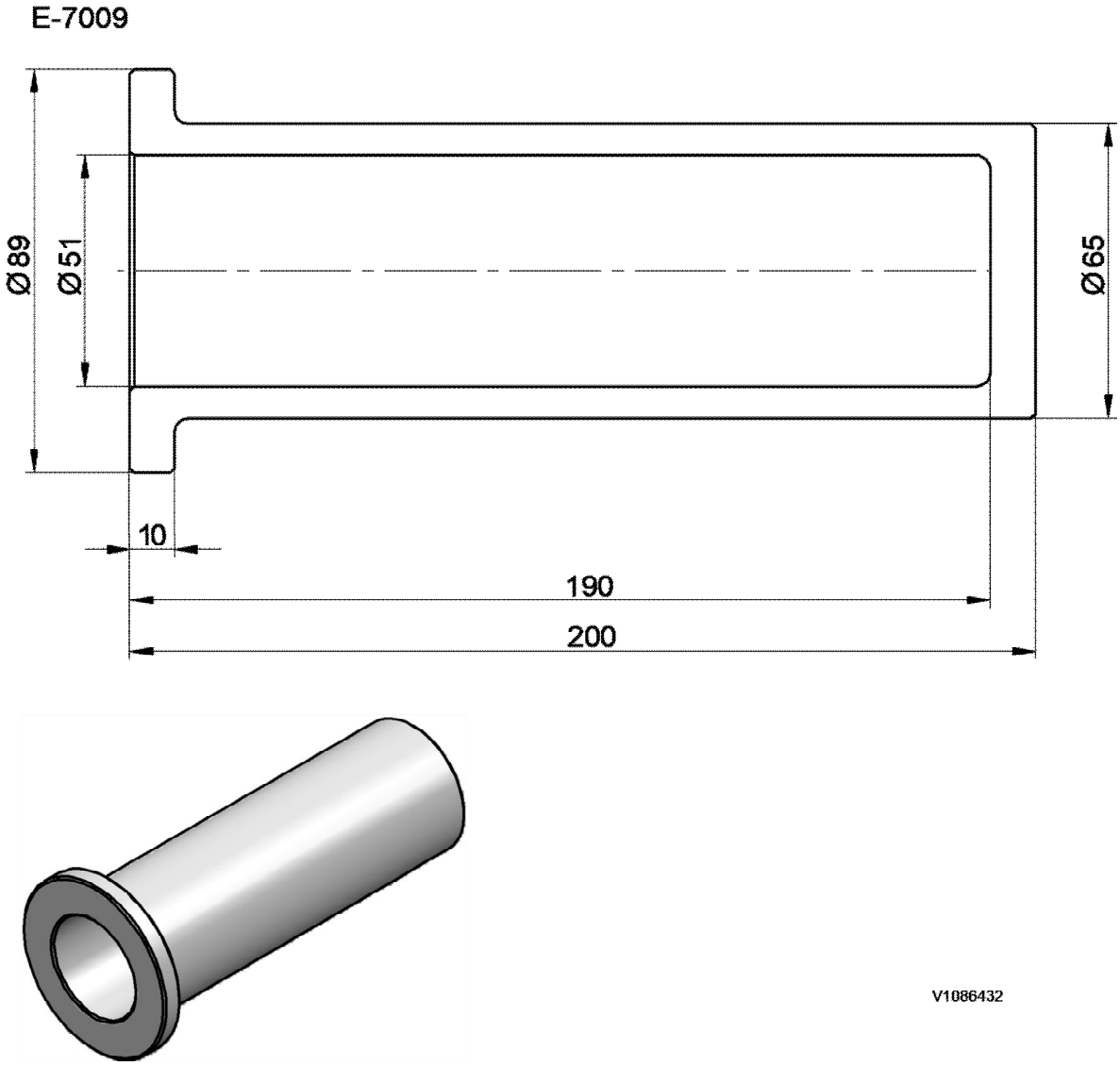


Figure 1
E-7009 Drift
Material: S355 JR or better.

Document Title: **Lubricants, service capacities and intervals**	Function Group: **160**	Information Type: **Service Information**	Date: **5/1/2026**
Profile: **P8720B Volvo PID:12768767**			

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Lubricants, service capacities and intervals

Showing Selected Profile

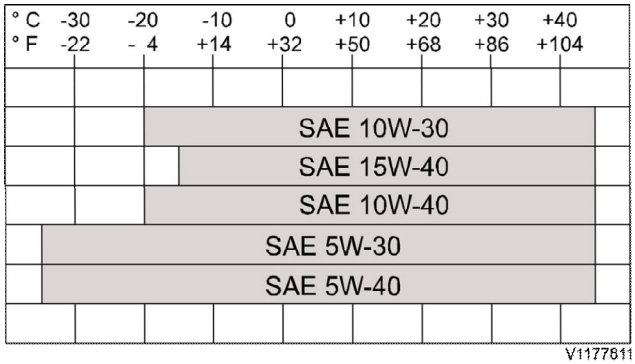
Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P8720B Volvo PID:12768767	Hameln	700000	702731

All quantity data are approximate and may vary according to machine, even within the same series. After changing or topping up operating fluids, check fill levels and correct where necessary.
Special requirements apply to the conversion to biodegradable hydraulic oil.

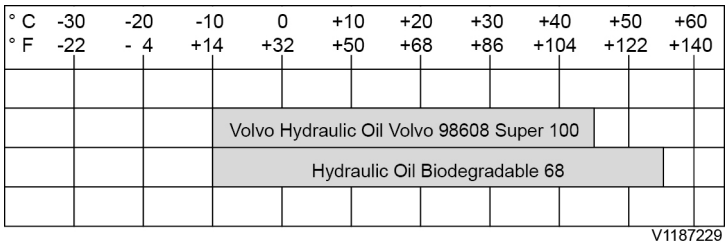
Please contact your dealer if you have any questions or would like further information on oils, lubricants and extreme exterior temperatures.

Engine oil

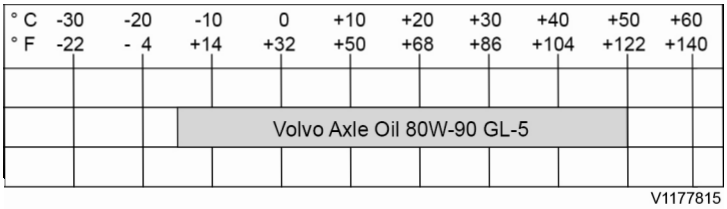
Used for	**Oil grade**	**Change intervals** (Sulphur content in the fuel)			**Quantity**
		0 - 3000 ppm	**3000 - 5000 ppm**	**5000 - 10000 ppm**	
Engine	Volvo Engine Oil VDS-4.5 10W-30	every 500 hours	every 250 hours	every 125 hours	17,5 litres (1,067.92 in^3)
	Volvo Engine Oil VDS-4.5 15W-40				
	Other approved VDS-4.5 oil				
	Volvo Engine Oil VDS-4 10W-30				
	Volvo Engine Oil VDS–4 15W-40				
	Other approved VDS-4 oil				
	Volvo Engine Oil VDS-3 10W-40				
	Volvo Engine Oil VDS-3 15W-40				
	Other approved VDS-3 oil				
	ACEA E7 or E9	every 250 hours	every 125 hours	every 75 hours	
	API CH-4, CI–4, CJ-4 or CK-4				

Recommended viscosities at varying ambient temperatures	 **Figure 1**
Observe the recommended service intervals for the oil grade and sulphur content in the fuel.	

Hydraulic oil

Used for	Oil grade	Change intervals	Quantity
Hydraulic system	Volvo Hydraulic Oil Volvo 98608 Super 100	every 1000 hours	130 litres (7933 in³)
	Hydraulic Oil Biodegradable 68		
Recommended viscosities at varying ambient temperatures	 **Figure 2**		

Transmission oil

Used for	Oil grade	Change intervals	Quantity
Travel gearbox	Volvo Axle Oil 80W-90 GL-5	first 100 operating hours every 1000 hours	4 litres (244 in³)
Pump distributor gear			2 litres (122 in³)
Recommended viscosity at varying ambient temperatures	 **Figure 3**		

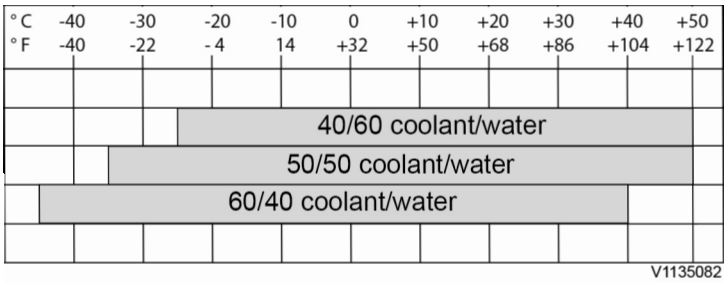
NOTICE

Risk of machine damage.

Mixing different coolants and corrosion preventives could damage the engine.

Use only Volvo Coolant VCS-2 when filling the coolant system.

Coolant

Used for	Quality	Change intervals	Quantity
Engine (radiator)	Volvo Coolant VCS Ready Mixed	every 4000 hours	30 litres (1,831 in³)
Recommended mixing ratios at varying ambient temperatures	 **Figure 4**		

All-weather roof

Used for	Viscosity	Change interval	Quantity
All-weather roof pump	Volvo Hydraulic Oil Volvo 98608 Super 68	every 3000 hours	0.25 litres (15 in³)

Grease

Used for	Quality	Change interval	Quantity
Auger bearings	Volvo high temperature grease	—	As required
Conveyor bearings			
Remaining grease points			

Fuel

Used for	Quality	Change interval	Quantity
Engine (fuel tank)	DIN EN 590 DIN 51601 BS2869: A1, A2 ASTM D975-88: 1-D, 2-D NATO Code F-54, F-75	-	240 litres (14,645 in³)

Document Title: **Lubricants, service capacities and intervals**	Function Group: **160**	Information Type: **Service Information**	Date: **5/1/2026**
Profile: **P8720B Volvo PID:12768767**			

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Lubricants, service capacities and intervals

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
P8720B Volvo PID:12768767	Hameln	702732	709999

All quantity data are approximate and may vary according to machine, even within the same series. After changing or topping up operating fluids, check fill levels and correct where necessary.
Special requirements apply to the conversion to biodegradable hydraulic oil.

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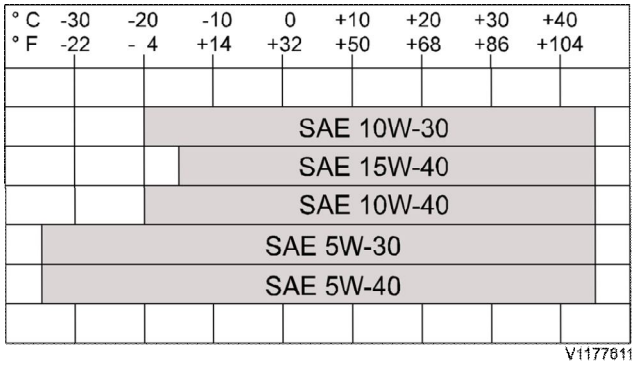
Engine oil

Used for	**Oil grade**	**Change intervals** (Sulphur content in the fuel)			**Quantity**
		0 - 3000 ppm	**3000 - 5000 ppm**	**5000 - 10000 ppm**	
Engine	Volvo Engine Oil, VDS-4.5 10W-30	every 500 hours	every 250 hours	every 125 hours	17,5 litres (1,067.92 in³)
	Volvo Engine Oil, VDS-4.5 15W-40				
	Other approved VDS-4.5 oil				
	Volvo Engine Oil, VDS-4 10W-30				
	Volvo Engine Oil, VDS-4 15W-40				
	Other approved VDS-4 oil				
	Volvo Engine Oil, VDS-3 10W-40				
	Volvo Engine Oil, VDS-3 15W-40				
	Other approved VDS-3 oil				
	ACEA E7 or E9	every 250 hours	every 125 hours	every 75 hours	
	API CH-4 CI-4 or CJ-4 or CK-4				

Recommended viscosities at varying ambient temperatures	 **Figure 1**
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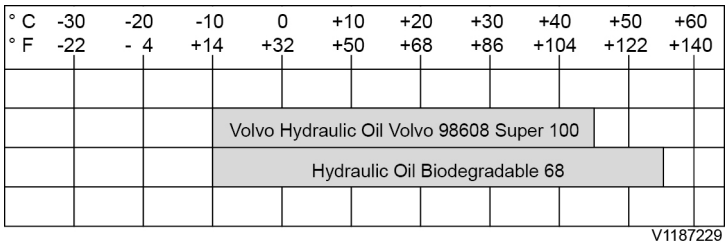
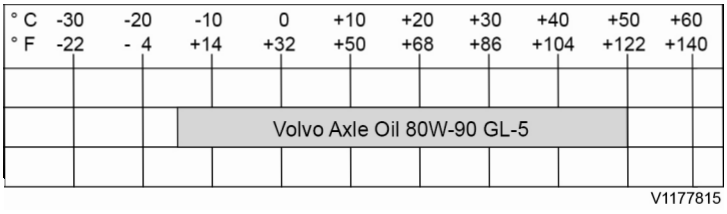
Hydraulic oil

Used for	Oil grade	Change intervals	Quantity
Hydraulic system	Volvo Hydraulic Oil Volvo 98608 Super 100	every 1000 hours	130 litres (7933 in³)
	Hydraulic Oil Biodegradable 68		

Recommended viscosities at varying ambient temperatures	 **Figure 2**

Transmission oil

Used for	Oil grade	Change intervals	Quantity
Travel gearbox	Volvo Axle Oil 80W-90 GL-5	first 100 operating hours Every 1000 hours	4.4 litres (268 in³)
Pump distributor gear			2 litres (122 in³)

Recommended viscosity at varying ambient temperatures	 **Figure 3**

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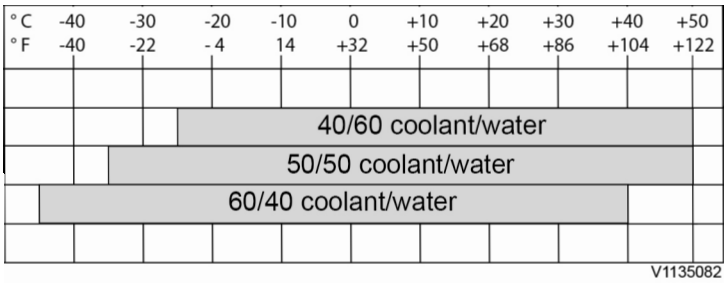
Recommended mixing ratios at varying ambient temperatures	 **Figure 4**		

All-weather roof

Used for	Viscosity	Change interval	Quantity
All-weather roof pump	Volvo Hydraulic Oil Volvo 98608 Super 68	Every 3000 hours	0.25 litres (15 in³)

Grease

Used for	Quality	Change interval	Quantity
Auger bearings	Volvo high temperature grease	—	As required
Conveyor bearings			
Remaining grease points			

Fuel

Used for	Quality	Change interval	Quantity
Engine (fuel tank)	DIN EN 590 DIN 51601 BS2869: A1, A2 ASTM D975-88: 1-D, 2-D NATO Code F-54, F-75	—	240 litres (14,645 in³)

Document Title: **Alternative fuels**	Function Group: **160**	Information Type: **Service Information**	Date: **5/1/2026**
Profile: **Tracked Pavers (PAT)**			

Alternative fuels

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This statement is only valid for Volvo branded engines.

Hydro-treated vegetable oil (HVO) and fatty acid methyl ester (FAME) biodiesel are both made from renewable raw materials such as vegetable oils and animal fats, but they are chemically processed in different ways.

Hydro-treated vegetable oil (HVO)
HVO is created using a chemical process called hydro-treating. Hydro-treating creates an oxygen-free hydrocarbon product that is very similar to distillate diesel fuel and is well suited for use in diesel engines. HVO fuels complying with the CEN diesel fuel standard EN 590:2013 or with the European Fuel Quality Directive 98/70/EC are approved for use in all Volvo Construction Equipment diesel engines with no changes to maintenance intervals. Paraffinic diesel fuels complying with the CEN standard EN 15940 may be used in all machines operating outside the European Union and for EU-certified engines up to the emission level Stage IV. These fuels may also be used for the EU-certified D11, D13 and D16 engines meeting the emission level Stage V.

Biodiesel
Biodiesel is a product made from renewable resources such as vegetable oils or animal fat. Biodiesel that has been chemically processed into fatty acid methyl ester (FAME) can be blended with distillate diesel fuel and used in some diesel engines. Unblended biodiesel is referred to as B100 because it is 100% biodiesel.
Rapeseed methyl ester (RME) is the most common type of FAME used in Europe. Soy methyl ester (SME) and sunflower oil methyl ester (SOME) are the most common types of FAME used in the US.
Although use of FAME biodiesel is now a legal requirement in some markets, it is not as suitable for use in diesel engines as conventional diesel fuel or HVO (hydro-treated vegetable oil).

Biodiesel fuel requirements
The FAME biodiesel blends specified in the table below are approved for use if:

- The biodiesel is pre-blended by the fuel supplier
- The biodiesel used in the blend conforms to EN14214 or ASTM D6751
- The distillate fuel used in the blend meets fuel sulphur requirements
- The distillate fuel used in the blend conforms to EN590 or ASTM D975
- B1-B5 biodiesel blends conform to EN590 or ASTM D975
- B6-B7 biodiesel blends conform to EN590 or ASTM D7467
- B8-B20 biodiesel blends conform to EN16709(B20) or ASTM D7467

Engine emission designation	Engine size	Acceptable blend
EU Stage II / US Tier 2 * EU Stage IIIA / US Tier 3 * EU Stage IIIB / US Tier 4 interim EU Stage IV / US Tier 4 final EU Stage V	Below D4 / 4 litres	Up to B7
EU Stage II / US Tier 2 * EU Stage IIIA / US Tier 3 * EU Stage IIIB / US Tier 4 interim EU Stage IV / US Tier 4 final	D4–D8	Up to B7
EU Stage II / US Tier 2 * EU Stage IIIA / US Tier 3 * US Tier 4 final, special North America arrangement **	D9–D16	Up to B20
EU Stage IIIB / US Tier 4 interim EU Stage IV / US Tier 4 final	D11–D16	Up to B10