Document Title: **Volvo standard tightening torques**	Function Group: **030**	Information Type: **Service Information**	Date: **4/6/2026**
Profile: **JL120HZ**			

Volvo standard tightening torques

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
JL120HZ			

The tightening torques in the following tables apply to bolts and nuts with tensile strength. The tables should be used as a general instruction for tightening bolts and nuts without specified values. The charts contains values for course thread bolts and nuts.
Torque values should be increased with ≈10%, for flange bolts.
All standard torques for bolts are without surface treatment.
The standard torque for bolts lubricated with oil should be reduced with 20% of the given value.

Standard tightening torque charts

Bolt size Metric Coarse Threads	**Tensile strength 8.8**		**Tensile strength 10.9**	
	(Nm)	**(lbf ft)**	**(Nm)**	**(lbf ft)**
M5	6	4	8	6
M6	10	7	14	11
M8	25	18	35	26
M10	50	37	70	52
M12	87	64	122	90
M14	139	103	195	144
M16	213	157	299	220
M18	293	216	413	305
M20	416	307	585	432
M24	719	530	1010	745
M27	1060	782	1490	1100
M30	1140	840	2025	1493
M36	2500	1844	3600	2653

Bolt size Inch SAE Coarse Threads	**Tensile strength 5**		**Tensile strength 8**	
	(lbf ft)	**(Nm)**	**(lbf ft)**	**(Nm)**
1/4	10	13,6	14	19
5/16	21	28,5	29	39,3
3/8	37	50,2	52	70
7/16	59	80	84	114
1/2	90	122	128	174
9/16	130	176	184	250
5/8	180	244	254	345

3/4	320	434	451	612
7/8	515	700	728	988
1	775	1052	1091	1480
1 1/8	953	1290	1545	2100
1 1/4	1344	1823	2180	2960
1 3/8	1600	2170	2650	3600
1 1/2	2000	2714	3200	4340

Document Title: **Conversion tables**	Function Group: **030**	Information Type: **Service Information**	Date: **4/6/2026**
Profile: **JL120HZ**			

Conversion tables

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
JL120HZ			

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						

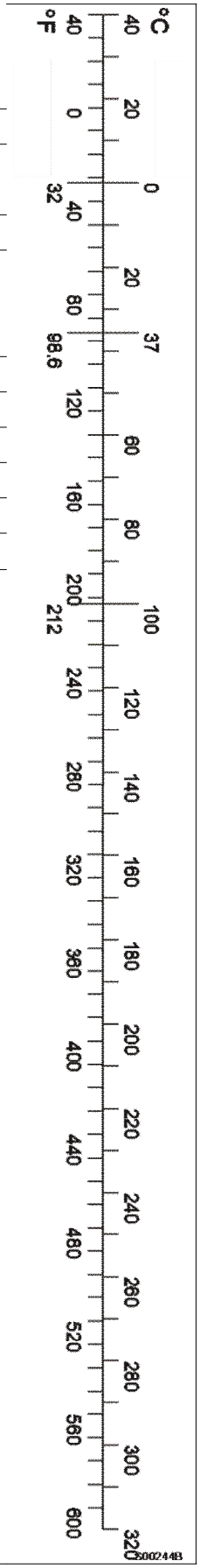
Unit explanations

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: **Operation numbers for additional work**	Function Group: **070**	Information Type: **Service Information**	Date: **4/6/2026**
Profile: **Wheel Loaders (WLO)**			

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

VOLVO

Service Information

Document Title:	Function Group:	Information Type:	Date:
Infrared Thermometer	**080**	**Service Information**	**4/6/2026**
Profile: **Wheel Loaders (WLO)**			

Infrared Thermometer

Showing Selected Profile

Gun Style Infrared Thermometer Laser Sight Model: SIG1

9998519Infrared thermometer (user instruction in FGI 080)Application

This tool can be used to measure fast and easy temperature differences. For instance in case of troubleshooting it is sometimes necessary to measure temperature differences on two equal parts with the same surface.

⚠ WARNING

Never point the device towards the eyes permanent eye damage may occur. Use extreme caution when using the laser. Keep out of the reach of children. Be careful around mirror surfaces since mirrors can reflect the laser. Looking into the reflected laser is just as damaging as looking directly at the laser.

General information

1. Field of view: The SIG1 takes it's measurement from a circle of a size determined by a simple ratio of 10:1. The diameter of this circle is 1/10 the distance between the target and the tip of the SIG1. For example, if you're standing 20 feet (610 cm) from your target, the size of the circle you're taking the average temperature of will be 2 feet (61 cm) wide.
2. If you want to get the temperature of something small, such as a pipe, you must get close enough for the pipe to take up the whole viewing area circle. Otherwise the pipe and the background temperatures will be averaged into the reading.
3. You need to be aware that if the target surface is reflective enough, it may reflect infrared from other objects. For example, if you take a reading of a shiny metal surface, the infrared energy of your face may reflect enough energy off the surface to affect the reading. For this reason, it's a good idea to put non-reflective tape or paint on reflective surfaces when taking infrared temperature readings.

NOTE!

The measured temperature will be lower than actual.

Operation

1. Point the laser towards the target to be measured.
2. Pull trigger to light the target with the laser and measure its surface temperature.
3. As long as the trigger is held down, the SIG1 will constantly update the measurement and the blue backlight will illuminate the display.
4. When the trigger is pulled the red laser dot will shine about 1/4" above the centre of the circular area being measured by the thermometer.
5. Once the trigger is released, the last measurement will be shown and held until the trigger is pressed again or until the SIG1 turns off.

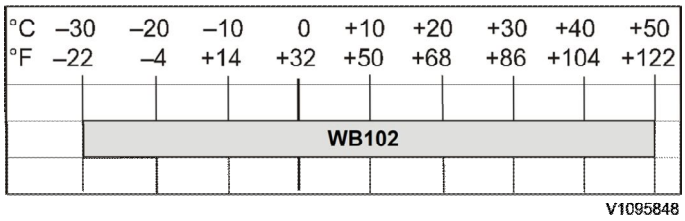
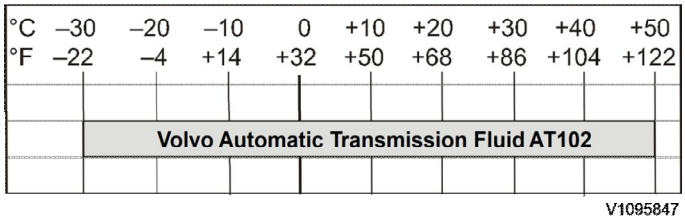
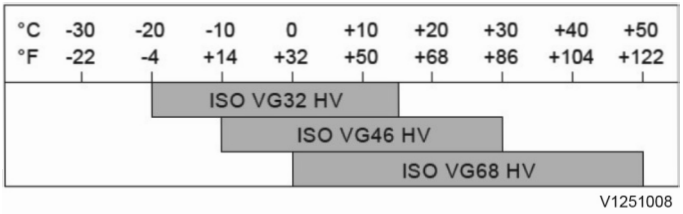
Document Title: **Recommended lubricants**	Function Group: **160**	Information Type: **Service Information**	Date: **4/6/2026**
Profile: **JL120HZ**			

Recommended lubricants

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
JL120HZ			

For any questions or more information about oils, lubricants and extreme outdoor temperatures, please contact your dealer.

	Oil grade	**Service interval**		**Recommended viscosity at various ambient temperatures**
		First (hours)	**Every (hours)**	
AXLES	Volvo Wet Brake Oil 97304 WB102	1000	2000	 **Figure 1**
REAR AXLE BEARING (if applicable)	Volvo Wet Brake Oil 97304 WB102	—	4000	
TRANSMISSION	Volvo Automatic Transmission Fluid 97342 AT102	—	4000	 **Figure 2**
HYDRAULIC SYSTEM	Volvo Hydraulic Oil 98609 Extra 32 or Volvo Hydraulic Oil 98609 Extra 46	—	4000	 **Figure 3**
	Volvo Hydraulic Oil 98608 Super 68		4000	
COOLING SYSTEM	Volvo Coolant	—	6000 or	

VCS-2 For more information, see: Coolant.		max 4 years

Document Title: **Grease**	Function Group: **160**	Information Type: **Service Information**	Date: **4/6/2026**
Profile: **JL120HZ**			

Grease

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
JL120HZ			

Volvo Super Grease Lithium EP2
Or corresponding grease on lithium base with EP additives and consistency NLGI class 2.
If the machine is provided with automatic greasing system, other recommended lubricants apply.

Rear axle bearings
Front rear axle bearing:
Axle oil according to Recommended Lubricants, see page Recommended lubricants.
Rear rear axle bearing:*
Rubens HT2 (Q8)
Chevron Ultra Duty No. 2
Texaco Starplex HD2
Almagard 3752
*Rear rear axle bearing is maintenance-free, and only greased in connection with a service.

Document Title: **Hydraulic oil**	Function Group: **160**	Information Type: **Service Information**	Date: **4/6/2026**
Profile: **JL120HZ**			

Hydraulic oil

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
JL120HZ			

For further information, see Recommended lubricants.

Document Title: **Change intervals**	Function Group: **160**	Information Type: **Service Information**	Date: **4/6/2026**
Profile: **JL120HZ**			

Change intervals

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
JL120HZ			

Oil and fluid changes	**Hours**
Coolant	6000[T1]
Front and rear axles	2000[T2]
Transmission, at the same time clean suction strainer	4000
Hydraulic system (working hydraulics, brake system and steering system)	4000

[T1]Change coolant every 6000 hours or every fourth year. See also page Coolant.

[T2] First change after 1000 hours.

Filter change	**Hours**
Transmission, oil filter	4000
Drive axles, breather filter	2000
Cab, ventilation filters	2000[T1]
Hydraulic system, return oil filter	2000
Hydraulic system, breather filter	2000

[T1] Change the prefilter every 1000 hours.

Document Title: **Lubricants and filling capacities**	Function Group: **160**	Information Type: **Service Information**	Date: **4/6/2026**
Profile: **JL120HZ**			

Change capacities

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
JL120HZ			

Capacities	**When changing**	**Total**
Transmission oil incl. filter	39 litres (10.3 US gal)	
Front axle	36 litres (9.51 US gal)	
Rear axle	41 litres (10.8 US gal)	
Rear axle mounting	0.5 litres (0.13 US gal)	
Hydraulic system		210 litres (55.44 US gal)
Hydraulic oil tank	133 litres (35.1 US gal)	
Cooling system	Passive cooling 22 litres (5.81 US gal) Traction battery cooling 11.2 litres (2.96 US gal) Cab cooling 1.7 litres (0.45 US gal)	

Document Title: **Coolant**	Function Group: **160**	Information Type: **Service Information**	Date: **4/6/2026**
Profile: **JL120HZ**			

Coolant

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
JL120HZ			

The Volvo Coolant VCS is replaced by the Volvo Coolant VCS-2.

Only use Volvo Coolant VCS or VCS-2 when topping up or changing coolant.
NOTE!
To avoid damage to engine and cooling system, Volvo Coolant VCS and VCS-2 must never be mixed with other brands of coolant or additives.

The Volvo Coolant VCS-2 is orange.
The Volvo Coolant VCS is yellow.
Volvo Coolant VCS and VCS-2 can be mixed, the color of the coolant changes depending on the mixing ratio.

When using concentrated Volvo Coolant VCS or VCS-2 and clean water, the mixture should contain 40–60% concentrated coolant and 60–40% clean water.
The amount of concentrated coolant must never be less than 40% of the total mixture, see table below.

Volvo Coolant VCS

Freeze protection down to	**Mixed-in amount of concentrated coolant**
-25 °C (-13 °F)	40%
-35 °C (-31 °F)	50%
-46 °C (-51 °F)	60%

Volvo Coolant VCS-2

Freeze protection down to	**Mixed-in amount of concentrated coolant**
-25 °C (-13 °F)	40%
-37 °C (-35 °F)	50%
-45 °C (-49 °F)	60%

The concentrated coolant must not be mixed with water that contains a high degree of lime (hard water), salt or metals.

The clean water for the cooling system must also meet the following requirements:

Description	**Value**
Total number of solid particles	< 300 ppm
Total hardness	< 120 ppm or 7° dH
Chloride	< 40 ppm

Sulphate	< 100 ppm
pH value	6.5 – 8.5
Silica	< 20 ppm
Iron	< 0.10 ppm
Manganese	< 0.05 ppm
Electrical conductivity	< 400 µS/cm
Organic material, COD-Mn	< 8 ppm

If there is any doubt about the water quality, use ready-mixed Volvo Coolant VCS or VCS-2, which contains 40% concentrated coolant.
Do not mix with any other ready-mixed coolants since this may result in engine damage.

Document Title: **Purpose of fluid analysis**	Function Group: **160**	Information Type: **Service Information**	Date: **4/6/2026**
Profile: **JL120HZ**			

Purpose of fluid analysis

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
JL120HZ			

Operational issues in machines, engines and other components are often reflected in current condition of the fluid. Fluid analysis determines when the properties of the fluid have reached a point at which they are no longer serviceable or the machine is starting to develop a problem.

This helps in three main business areas:

Maintenance

- Identify contamination and wear and identify corrective actions such as fluid and filter replacements.
- Reduce in-service failures by improving machine maintenance.
- Establish condition based fluid drain intervals and maintenance actions.

Management

- Improve business reliability and productivity.
- Improve manufactured products quality and reduce waste and spoilage.
- Reduce unnecessary maintenance such as time dependent component replacements.
- Assist in product selection (e.g. lube oils, coolants, greases), to make the machine to run most efficiently.

Uptime

- Reduce machine downtime.
- Increase the machine's overall usable life.
- Extend drain intervals, reduce oil consumption, reduce disposal costs and reduce environmental impact.

Keys to successful fluid analysis

A successful fluid analysis program requires an organized and sustained effort. No preventive maintenance initiative will reach its goal without integrating processes for continued improvement and a conscious effort by both user and laboratory to work together in all aspects of the program to achieve optimal machine health and reliability.

These proven steps are key

- Clearly define program goals and requirements to be sure the test packages utilized are appropriate for the application and the service is being fully utilized on a regular, on-going basis.
- Take representative samples that are indicative of the true condition of the fluid and the component so that the testing and analysis performed is accurate and reliable.
- Have a frequent communication with the laboratory to optimize both laboratory interpretations and recommendations as well as machine diagnostics and maintenance action.
- Provide complete and accurate sample information so that data analysts may provide an accurate interpretation of the test results with well-informed, actionable maintenance or diagnostic recommendations.
- Review test reports promptly to be sure abnormal or critical machine or fluid conditions are addressed quickly and equipment damage and production losses are minimized.

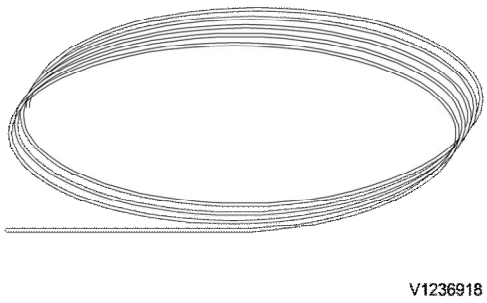
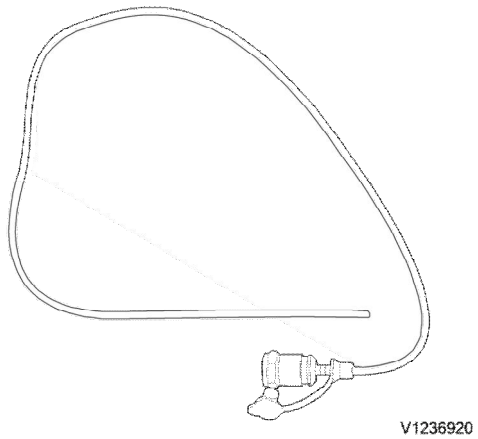
Document Title: **Fluid analysis, tools**	Function Group: **160**	Information Type: **Service Information**	Date: **4/6/2026**
Profile: **JL120HZ**			

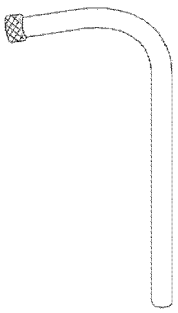
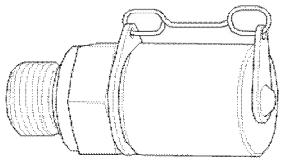
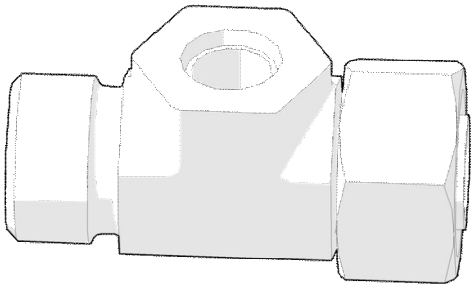
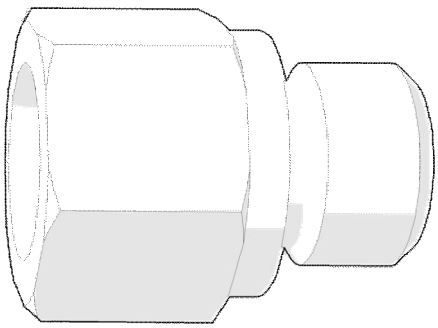
Fluid analysis, tools

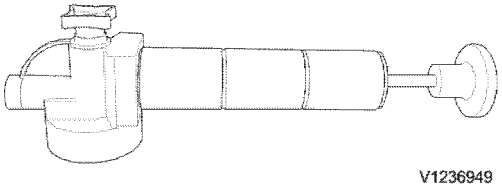
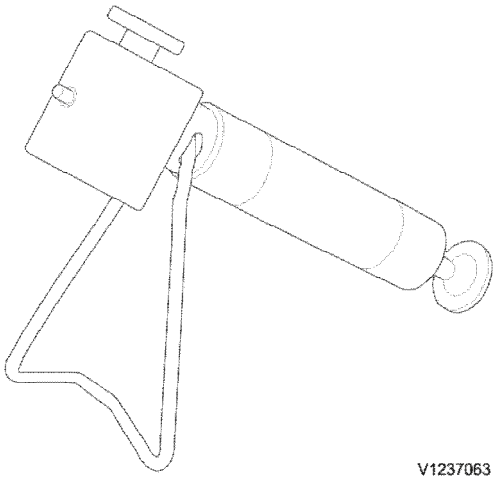
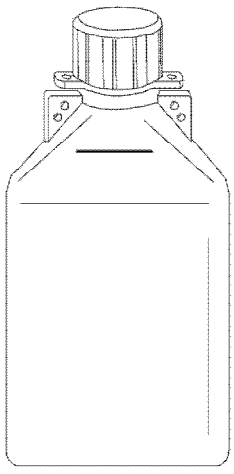
Showing Selected Profile

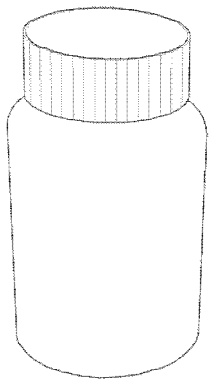
Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
JL120HZ			

Sampling equipment

Image	Part No.	Description	Comment
 **Figure 1**	*TUBE* (VOE54041577)	Tubing roll	Roll of tubing 100 ft (North America only)
	TUBE (VOE54538320)	Tubing short	10 m tubing (all regions except for North America)
	TUBE (VOE54059017)	Tubing short	1 m tubing (all regions except for North America)
 **Figure 2**	*HOSE* (VOE14025152)	Sampling hose	For pressurized systems

 V1238681 **Figure 3**	*DRAIN VALVE* (VOE16891310)	Drain valve	Coupling – M26x1.5
 V1236950 **Figure 4**	*NIPPLE* (VOE936442)	Nipple	M10x1 – M16x2
	TESTING NIPPLE (VOE15184094)	Nipple	M16x1,5 – M16x2
	TESTING NIPPLE (VOE936446)	Nipple	
	TEST NIPPLE (TEL15319306)	Nipple	1/4" BSPP
 V1244916 **Figure 5**	*NIPPLE* (VOE14612084)	T-Nipple	M26x1.5
 V1244912 **Figure 6**	*NIPPLE* (VOE14557502)	Nipple	M16x1.5

 **Figure 7**	*PUMP* (VOE54376076)	Sampling pump	Sampling pump, standard - 38 mm (1,500 in)
 **Figure 8**	*PUMP* (VOE54042482)	Sampling pump	Sampling pump, heavy duty - 38 mm (1,500 in)
 **Figure 9**	*PLASTIC BOTTLE* (VOE54231335)	Single sampling bottle, fuel	Bottle for fuel sampling
	KIT (VOE54042464)	Kit 100 sampling bottles	100 sampling bottles with flatpacks.

 **Figure 10**	*PLASTIC BOTTLE* (VOE54236381)	Kit 20 sampling bottles	Cardboard box with 20 sampling bottles
	BAG (VOE54041827)	Return bag	Prepaid plastic bag for 10 bottles (North America only) (Atlanta GA – lab)
	BAG (VOE54745898)	Return bag	Prepaid plastic bag for 10 bottles (North America only) (Chicago IL – lab)
	BAG (VOE54745900)	Return bag	Prepaid plastic bag for 10 bottles (North America only) (Houston TX – lab)
	KIT (VOE54041771)	Starter kit	Sampling pump (metal body) standard, tube 100 ft (North America only)

Document Title: **Fluid analysis, submission process**	Function Group: **160**	Information Type: **Service Information**	Date: **4/6/2026**
Profile: **JL120HZ**			

Fluid analysis, submission process

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
JL120HZ			

Preparation for sample submission

- Check fluid sampling interval, see Recommendations for fluid sampling intervals.
- Ensure all tools and supplies for obtaining a sample are available.
- Make sure the bottle is clean.

NOTE!
The test sampling is time sensitive and needs to be sent to the lab immediately.

Register

Register using Mobile-App

1. A sample can be registered using CHAIN Mobile-App (Now Mobile) or Zhangwo-App for China only.

V1246449

2. If you need to install Now Mobile app, see Now Mobile-App (CHAIN), installation or Fluid Analysis Resource Center by scanning the below QR code.

V1245724

3. Log into the Mobile-App to register the bottle for sampling. If you do not have an account – it can be requested by clicking on Sign up or contact your Service Market Manager.
4. Use only one QR-code per bottle.
5. Scan the QR-code with the Mobile-App and follow the required steps to complete the sample registration.
6. Make sure the scanned QR-code sticker is applied to the bottle.
7. Specify whether the sample was drawn in cold, describe atypical conditions, include equipment ID number, and

indicate test point locations.

Register using submission form
Paper submission form can be used to register the sample in the following cases:

- If you don't have network on your phone to register a sample using the Mobile-App
- If you cannot find the servicing machine in the list

Send

1. The sampling bottle should be packed in a proper sized box, plastic envelope, or hard plastic mailer.
2. Ensure that your return address and the laboratory address are clearly visible and correct.
3. Send sample immediately to the laboratory. Use Volvo's local logistics partner, a traceable courier service (see inside the lid of the sampling bottle box, applicable in all markets except North America), or through a delivery service of your choice.

Results and implementation

1. Once the report is ready, you will get an e-mail notification with the link to the file.
2. Review sample results.
3. Implement corrective actions. Review maintenance recommendations without delay.
4. By building a historical data you will be able to run trend analysis. Together with information on how the machine is used and where, Fluid Analysis Trend data can indicate deviations from this reference, which may require our attention.

Document Title:	Function Group:	Information Type:	Date:
Arrival Inspection, according to Inspection Programme	**171**	**Service Information**	**4/6/2026**
Profile: **Wheel Loaders (WLO)**			

Arrival Inspection, according to Inspection Programme

Op nbr 171-001

Total procedure time (hr): 1.75

1. This Inspection Programme can be found as a PDF file in the document library in PROSIS.

Document Title: **Delivery Inspection, according to Inspection Programme**	Function Group: **171**	Information Type: **Service Information**	Date: **4/6/2026**
Profile: **Wheel Loaders (WLO)**			

Delivery Inspection, according to Inspection Programme

Op nbr 171-002

Total procedure time (hr): 2.50

1. This Inspection Programme can be found as a PDF file in the document library in PROSIS.

VOLVO

Service Information

Document Title:	Function Group:	Information Type:	Date:
Delivery Instructions, according to Inspection Programme	**171**	**Service Information**	**4/6/2026**
Profile: **Wheel Loaders (WLO)**			

Delivery Instructions, according to Inspection Programme

Op nbr 171-004

1. This Inspection Programme can be found as a PDF file in the document library in PROSIS.

Document Title: **Maintenance of Stored Machines, according to Inspection Programme**	Function Group: **171**	Information Type: **Service Information**	Date: **4/6/2026**
Profile: **Wheel Loaders (WLO)**			

Maintenance of Stored Machines, according to Inspection Programme

Op nbr 171-003

Total procedure time (hr): 1.50

1. This Inspection Programme can be found as a PDF file in the document library in PROSIS.

Document Title: **Maintenance service, as required**	Function Group: **173**	Information Type: **Service Information**	Date: **4/6/2026**
Profile: **JL120HZ**			

Maintenance service, as required

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
JL120HZ			

This interval only contains the methods that supplement the relevant standard interval. See example in Foreword, Service.

Op nbr 173-001

Total procedure time (hr): 5.00

1. Place the machine in Service Position 1. Refer to Service position 1.
2. Coolant level, checking.

Document Title: **Maintenance service, first 1000 hours**	Function Group: **173**	Information Type: **Service Information**	Date: **4/6/2026**
Profile: **JL120HZ**			

Maintenance service, first 1000 hours

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
JL120HZ			

This interval only contains the methods that supplement the relevant standard interval. See example in Foreword, Service.

Op nbr 173-042

Total procedure time (hr): 0.90

Tools:
9993831 Support

1. Place the machine in service position according to: Service position 2.
2. Drive axle oil, changing
3. Restoring of the machine
4. Fill in the Service journal that is included in the Operator's Manual.

Document Title: **Maintenance service, every 50 hours**	Function Group: **173**	Information Type: **Service Information**	Date: **4/6/2026**
Profile: **JL120HZ**			

Maintenance service, every 50 hours

Showing Selected Profile

Valid for serial numbers			
Model	**Production site**	**Serial number start**	**Serial number stop**
JL120HZ			

Op nbr 173-004

Total procedure time (hr): 1.25

1. Place the machine in service position according to: Service position 1.
2. Basic service
3. Lubrication, every 50 hours
4. Tyre wear and air pressure, checking
5. Restoring of the machine