

GENUINE VOLVO LUBRICANTS AND COOLANTS

**Volvo Lubricants and Coolants are developed
specially for Volvo Construction Equipment**

 **TRANSDIESEL[™]**

www.transdiesel.com

0800 848 267

Volvo Construction Equipment



LUBRICANTS

- All Volvo lubricants are designed in co-operation with Volvo engineers for Volvo machines - they are an essential moving part.
- Using genuine Volvo lubricants will extend the service life of the machine.
- Using genuine Volvo lubricants will reduce fuel consumption.
- Using genuine Volvo lubricants will reduce engine wear.

Why use Volvo Lubricants?

Volvo lubricants meet the high standards required to ensure that the machine maintains its maximum performance throughout its service life.

- **Volvo oils have longer drain intervals**
Fewer oil changes mean saving time and money!
- **Volvo oils increase engine life**
Improved cleaning properties mean lower piston deposits resulting in less engine wear.
- **Volvo grease provides greater protection**
Superior performance in the areas of corrosion protection, low temperature pumpability and high temperature service life.
- **Failure to carry out regular oil changes will damage your Volvo**



ULTRA DIESEL ENGINE OIL VDS-3

- **VDS-3 rated**
The VDS-3 standard has been developed through rigorous testing with Volvo engines, both in the field and in the laboratory. VDS-3 standard oil meets the strictest Volvo requirements and passes the quality requirements for the highest European diesel engine oil specification, ACEA E7.
- **Improved cleaning and lubricating properties**
Volvo Ultra Diesel Engine Oil has good cleaning and lubricating properties that help to increase the service life of the engine. Using VDS-3 rated oil has been shown to reduce piston deposits.



- **Increased oil drain interval**
Used with a Volvo long life filter, Volvo Ultra Diesel Engine Oil can double the oil drain interval when compared with VDS-2.
- **Industry and Builder Specifications**
 - SAE 15W-40
 - ACEA E7/E5/E3/B4/B3/A2
 - API CI-4/CH-4/CG-4/CF-4/CF/SL/SJ
 - Cummins CES 20078/7/6/5/2/1
 - DD 7SE 270 (4-Stroke Cycle)
 - Mack EO-M Plus
 - MAN 3275
 - MB 228.3/229.1
 - MTU Type 1 (open crankcase only)
 - Renault RLD

VDS-3, Requirements for 500 hours oil drain interval Volvo DXXF engines

D stands for Diesel, XX for Volume (Engine size) and F for Engine Solution.

- Genuine Volvo Filter: For D9-D16 engines: Long life Part No. VOE21707133 and Bypass Part No. VOE21707132. For D4-D8 engines: Part No. VOE3831236.
- Fuel sulphur content: <3000ppm.
Higher sulphur content shortens service interval.

SUPER HYDRAULIC OIL

- **Meets the highest requirements**
Meets the highest filtration requirements, vastly outperforming standard anti-wear hydraulic oils.
- **High viscosity index**
Enables trouble-free operation in a wide range of temperatures.
- **Excellent anti-wear characteristics**
Protects against rust and corrosion and can handle very high temperatures which helps prevent wear. Minimal foaming also ensures good lubrication qualities.
- **Industry and Builder Specifications**
 - Denison HF-0
 - DIN 51524-Part3
 - ISO 11158 Type HV
 - Super Hydraulic Oil 46: Cincinnatti P-70
 - Vickers I-286-S
 - Vickers M-2950-S



AUTOMATIC TRANSMISSION FLUID AT102

- Volvo Automatic Transmission Fluid AT102 is an extra high performance automatic transmission fluid exceeding the latest industry specifications and meeting Volvo 97342 standard.
- It will give you protection against degradation at high operating temperature, improved anti-wear protection as well as extended drain oil intervals.



SUPER WET BRAKE TRANSAXLE OIL WB102

- Outstanding performance of wet brakes under a wide range of temperatures and under all operating conditions.
- Improved lubricating properties protect against wear and reduce friction, which enables lower fuel consumption.
- Increased machine productivity and longer service intervals.
- The additives prevent noise from the brakes.
- Industry and Builder Specifications Volvo Transmission Oil 97304.



SUPER TRANSMISSION OIL

- **Heavy duty performance**
Engineered for heavy duty axles and final drives where extreme pressures and shock loading are expected. Super transmission oil is rated for use in API GL-5 applications.
- Super transmission oil is semi synthetic and rated for use in API GL-5.
- **Industry and Builder Specifications**
 - SAE 80W-140 GL-5: API GL-5
 - Scania STO 1:0



SUPER GEAR OIL

- Volvo Super Gear Oil 75W-80 GO102 is specially designed for Volvo Construction Equipment, meeting Volvo 97317 standard.
- GO102 will give you reduced fuel consumption, extended components life-time as well as extended drain intervals.
- Using Volvo Super Gear Oil 75W-80 GO102 in Articulated Haulers you can double the service intervals, from 2000 to 4000 hours.



GOOD OIL MANAGEMENT

- **Check oil levels frequently**
Low oil levels are a frequent cause of component failures. Check the oil level in the engine, transmission and hydraulic system at regular intervals.
- **Change the oil and filter at the correct time**
As oil nears the end of its useable life, impurities increase and can lead to engine damage. When changing oil it makes good economic sense to change the oil filter at the same time. This will save on downtime and help to preserve the quality of the new oil. A new oil's characteristics will deteriorate rapidly when an old oil filter is used.
- **Maintain cleanliness during all filling of oil**
When filling oil, it is very important to maintain cleanliness in your work area, especially around the filler hole. Be very thorough, as carelessness during filling is one of the major sources of impurities entering the oil, causing wear, erosion, corrosion and malfunctions.
- **Utilise Volvo oil commander**
Oil commander used-oil analysis can provide the machine owner with an excellent tool for planning preventative maintenance, leading to reduced downtime, reduced time for troubleshooting/diagnostics and lower operating costs. The machine owner will receive documentation of the analysis, helping them to seek a high trade-in value when the time comes to change their machine.

COOLANTS

Key features:

- Highly specialised coolants approved specifically for Volvo engines!
- Superior anti-freeze and corrosion protection - particularly non-aggressive to light alloy metals.
- Exceptional thermal transfer capacity offers outstanding engine protection.



Why use Volvo Coolant?

- Volvo Coolant is right for Volvo engines. When a Volvo engine is developed, the coolant is developed alongside the engine, undergoing the same tests and improvements - making it an integral part of the engine.
- You wouldn't allow anybody else to damage your Volvo engine - so why do it yourself?
- Using an inferior coolant will damage your Volvo engine!

Use only the correct coolant:

- Using the wrong coolant or mixing coolants can seriously damage the cooling system of an engine, causing...
 - Corrosion
 - Pitting
 - Leakages
 - Deposits
 - Overheating
- Different types of coolants should not be mixed.

Note:

Volvo Coolant VCS and Volvo Coolant are completely different coolants which contain completely different types of inhibitors.

They must never be mixed!

- Coolant filters also contain inhibitors. Never use a coolant filter with Volvo Coolant VCS.
- Only refill with the same colour coolant that was originally in your Volvo machine.

GREEN COOLANT = VOLVO COOLANT

YELLOW COOLANT = VOLVO COOLANT VCS

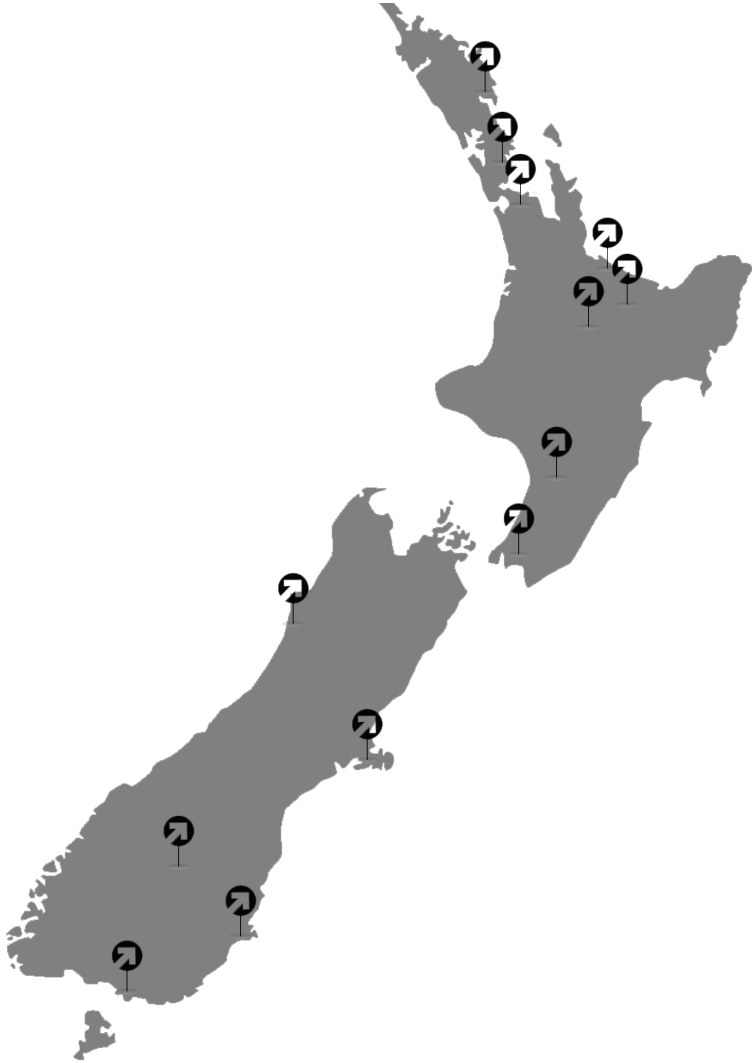
- Machines that use Volvo Coolant VCS will display a sticker on the expansion tank.
- If you are in any doubt, always refer to recommended coolant and mixture ratio in the operator's manual.

Mixing Data:

- Concentrated coolants should always be mixed with deionised water and never be used concentrated.

Blending ratio range	Anti-freeze protection
40% concentrated coolant	-25°C
50% concentrated coolant	-35°C
60% concentrated coolant	-46°C

- Ready mixed coolants must never be diluted.
- Volvo Coolant ready mixed: anti-freeze protection to -35°C.
- Volvo Coolant VCS ready mixed: anti-freeze protection to -25°C.



Branches:

CHRISTCHURCH (HEAD OFFICE), WHANGAREI, AUCKLAND (MANUKAU & SILVERDALE), TAURANGA, ROTORUA, TAUPO, PALMERSTON NORTH, WELLINGTON, GREYMOOUTH, CROMWELL, DUNEDIN, INVERCARGILL
