

CHEMICALS FOR MAINTENANCE AND REPAIR

Genuine Volvo Penta oils, lubricants, coolants, sealants and more





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Note! The products displayed in this catalogue is not available on the US market.

Formulated to perform and protect

Using high-quality chemicals is important to ensure maximum performance, wear protection and reliability. That's why Volvo Penta offers a range of high-quality products, specifically developed and tested to meet our exact specifications and stringent requirement – making them the best choice for maintenance and repair of Volvo Penta products.

This catalog is a summary of our range of chemicals and contains information about specifications, pack sizes and part numbers. For more detailed information about fields of application, please see service bulletin/service information and Operator's Manuals.



Safety data sheet

All products in this catalogue are tested to minimize health and environmental risks and still keep the high performance demands.

We utilize the knowledge from the Volvo Group as well as our own materials laboratory to evaluate product risks and their affects on different materials in order to

continually improve the product range. You can obtain information about composition, personal and environmental risks and protective measures as well as how to dispose of waste products from each importer.

Volvo safety data sheets can be found on our homepage at: www.volvo.com/sds

Note! All handling of chemicals entails health and environmental risk. Waste chemicals should be handled as environmentally hazardous waste. They may contain substances such as lead, nickel and copper, that may cause cancer and impurities. Ensure that waste chemicals is disposed of responsibly and according to the local regulations.

Oils



Volvo Penta oils

We invest significant resources together with the Volvo Group to develop high-performance oils. And the reason is simple. As engines continue to evolve, with increased efficiency, more precise technology and tighter tolerances, it leaves less space between components, placing greater demands on oil performance than ever before.

Volvo Penta oils are specifically formulated for the exact specifications of Volvo Penta marine and industrial engines. They are extensively tested and approved according to our high-quality demands and include powerful additive technology which are individually selected to optimize performance, reduce fuel consumption and provide maximum wear protection.

The benefits of Genuine Volvo Penta engine oils

- Meet the exact specifications of Volvo Penta engines
- Optimize performance, durability and engine life
- Lower fuel and oil consumption due to low internal friction
- Excellent load carrying capacity at both low and at high temperatures
- Reduces engine wear and optimized service life
- Outstanding cleaning characteristics and oxidative stability
- Excellent protection against corrosion

Note! Please always consult the operator's manual for detailed information about oil quality, oil quantity and oil change interval for the specific product.

Engine oil

Synthetic petrol engine oil 15W-50

A fully synthetic oil for use all year round. Specially developed for high performance engines. Provides excellent protection against wear under severe running conditions at both high and low temperatures.

Designation	Part No.	Volume	Viscosity	Quality
Synthetic petrol engine oil 15W-50	3809428	5 liter	SAE 15W-50	API SJ/ACEA A3/B3



Synthetic petrol engine oil 5W-30

A fully synthetic low SAPS engine oil specially developed for high performance engines. Optimize efficiency and life of catalytic converter. Excellent performance even during low temperature starting. The oil combats sludge buildup and gives excellent protection against wear. Particularly suitable for engines that are subject to frequent starting and stopping.

Designation	Part No.	Volume	Viscosity	Quality
Petrol engine oil 5W-30	21363429	1 liter	SAE 5W-30	API SM
Petrol engine oil 5W-30	21363430	5 liter	SAE 5W-30	API SM
Petrol engine oil 5W-30	21363431	20 liter	SAE 5W-30	API SM



Engine oil VDS-3

VDS-3 15W-40 is a high performance engine oil formulated from high quality mineral base oils and a superior, balanced additive system to meet the demands of modern engines. It provides good protection against oil thickening, high temperature engine deposits, sludge build-up, oil degradation and corrosion. It has excellent low temperature properties which ensure ready oil circulation on start up, to prevent wear. The high quality of VDS-3 oils allows in certain cases an increase in drain intervals. Suitable for both diesel and gas engines (check operators manual).

Designation	Part No.	Volume	Viscosity	Quality
Engine oil 15W-40 VDS-3	22479638	1 liter	SAE 15W-40	VDS-3
Engine oil 15W-40 VDS-3	22479642	5 liter	SAE 15W-40	VDS-3
Engine oil 15W-40 VDS-3	22479643	20 liter	SAE 15W-40	VDS-3
Engine oil 15W-40 VDS-3	22479645	Barrel 208 liter	SAE 15W-40	VDS-3



Engine oil VDS-4

VDS-4 15W-40 is an extra high performance engine oil formulated from high quality mineral base oils, that helps extend engine life in severe applications while delivering outstanding performance in modern, highoutput, low emission engines including those with Exhaust Gas Recirculation (EGR), Diesel Particulate Filters (DPFs), Diesel Oxidation Catalysts (DOCs) or specific post-treatment. Suitable for both diesel and gas engines (check operators manual).

Designation	Part No.	Volume	Viscosity	Quality
Engine oil 15W-40 VDS-4	22305989	5 liter	SAE 15W-40	VDS-4
Engine oil 15W-40 VDS-4	22305990	20 liter	SAE 15W-40	VDS-4
Engine oil 15W-40 VDS-4	22305991	Barrel 208 liter	SAE 15W-40	VDS-4



Transmission and hydraulic oil

Synthetic transmission oil

High-performance marine transmission oil designed to provide maximum protection for Volvo Penta IPS and Aquamatic sterndrives. Specifically formulated to offer excellent performance under extreme loads and temperatures while providing balanced frictional properties between grip and slip and maximum protection against wear and corrosion. Advanced additive technology include unique capability to minimize damage due to water contamination. All this ensure significant advantages over conventional transmission oils and contributes to high-performance, smooth operation and long-term health of the drive.

Volvo Penta IPS and Aquamatic synthetic transmission oil*

Designation	Part No.	Volume
Synthetic transmission oil	22479650	1 liter
Synthetic transmission oil	22479648	5 liter
Synthetic transmission oil	22479647	20 liter
NEW! Synthetic transmission oil	22479660	Barrel 208 liter

* Replaces the previous Volvo Penta synthetic gear oil SAE 75W-90.

Synthetic transmission oil 75W-140**

Designation	Part No.	Volume	Viscosity
Synthetic transmission oil 75W-140**	3809439	5 liter	SAE 75W-140

** For DPH ratio 1.59:1 (D6-400) and DPG drives (KAD300).



Transmission oil

High-quality marine transmission oil formulated from select mineral base oils and an powerful additive technology. Designed to offer high performance and outstanding wear protection even under heavy load. It provide excellent protection against rust and corrosion and exceptional resistance to high temperature oxidation.

Transmission oil 80W-90

Designation	Part No.	Volume	Viscosity
Transmission oil 80W-90	3809445	5 liter	SAE 80W-90



Hydraulic oil

For hydraulic steering system. Protects against wear at high and low temperatures. Also provides excellent corrosion protection. Particularly suitable for marine use. Does not affect seal materials.

Designation	Part No.	Volume	Type
Hydraulic oil	21732287	1 liter	ISO VG 15



Hydraulic oil

For power steering, trim, tilt system and HS reverse gears. Protects against wear at high and low temperatures. Also provides excellent corrosion protection. Particularly suitable for marine use. Does not affect seal materials.

Designation	Part No.	Volume	Type
Hydraulic oil	85122800	1 liter	Dextron III
Hydraulic oil	1161995	2 liter	Dextron III

Oils analysis

Oil analysis for better control

Volvo Penta oil analysis delivers a comprehensive diagnosis of the engine's condition. Oil analysis provides information such as water and fuel content, viscosity, dirt, and the amount of metal particles in the oil from component wear.

Regular use of Volvo Penta Oil analysis, provide an excellent planning tool for better control. Thanks to early warnings provided by oil analysis, preventive maintenance and component changes can be planned in advance, thus avoiding unplanned downtime and reducing repair costs.

The benefits of regular Volvo Penta oil analysis

- Comprehensive diagnosis of the engine's condition
- Makes trends visible and provides early warnings for abnormal wear
- Increased uptime and reduced operating costs
- Excellent planning tool for preventive maintenance
- High-quality analysis done by accredited laboratories using specified limits values defined by Volvo Penta



Coolant



Volvo Penta coolants

Genuine Volvo Penta coolants prevent freezing and overheating while providing maximum component protection. They are specifically formulated to meet the exact specifications of Volvo Penta engines and include powerful additive technology to prevent internal engine component degradation and thereby optimize engine life.

The benefits of Genuine Volvo Penta coolants:

- Optimal anti-freeze protection and thermal transfer capacity
- High boiling point prevents overheating
- Maximum protection against corrosion, cavitation, ageing, swelling and cracking
- Compatible with and protects all materials in the engine's cooling system
- Does not leave any deposits in the cooling system
- Less impact on the environment, does not contain any amines or phosphates

Note! Volvo Penta provides two types of coolant: Volvo Penta coolant (green) and Volvo Penta coolant VCS (yellow). They are formulated for different engine types and contain different types of additives that are not compatible. Therefore they should never be mixed. Always keep using the same Volvo Penta coolant that was delivered with engine.

Mixing data for concentrated coolants

Recommended mixture	Anti-freeze protection
40% concentrated coolant	-25° C
50% concentrated coolant	-35° C
60% concentrated coolant	-46° C

Concentrated coolant should always be mixed with water which complies with Volvo STD 1285,1. In case of uncertainty, ready-mixed Volvo Penta coolants are recommended.

Coolant

Volvo Penta coolant VCS (Yellow)

This coolant is yellow in color. It is an organic additive technology (OAT) type of coolant specifically developed for the material used in newer generation of Volvo Penta engines. It prevents freezing and overheating while providing maximum component protection. Does not contain any nitrite, amine, phosphate or silicate. Does not require coolant filter. 4-year change interval.

Note! The Volvo Penta coolant VCS (Yellow) must not be mixed with Volvo Penta coolant (Green), nor be used in combination with coolant filter. See operators manual.

Designation	Part No.	Volume
Yellow ready Mixed 40%	22567314	5 liter
NEW! Yellow Ready Mixed 40%	22567335	20 liter
Yellow ready Mixed 40%	22567340	Barrel 208L
Yellow Concentrate	22567286	1 liter
Yellow Concentrate	22567295	5 liter
NEW! Yellow Concentrate	22567305	20 liter
Yellow Concentrate	22567307	Barrel 208 liter
NEW! Yellow Concentrate	85137067	IBC 1000 liter*

* Sold in quants of 1000 liters



Cleaning agent for Volvo Penta coolant VCS (Yellow)

Cleaning agent for cooling systems with yellow coolant only.
1 kit for 40 l coolant system.

Designation	Part No.	Volume	Type
Cleaning agent (for systems with yellow coolant)	21467920	500 ml	Anti-rust



Volvo Penta coolant (Green)

This coolant is green in color. It is specifically developed for the material used in older generation of Volvo Penta engines. It prevents freezing and overheating while providing maximum component protection. Does not contain any nitrites, amine or phosphate. 2-year change interval. Change coolant in "out of step" with coolant filter if such is used.

Note! The Volvo Penta coolant (Green) must not be mixed with Volvo Penta coolant VCS (Yellow). See operators manual.

Designation	Part No.	Volume
Green Ready Mixed 40%	22567233	5 liter
NEW! Green Ready Mixed 40%	22567259	20 liter
Green ready Mixed 40%	22567261	Barrel 208L
Green Concentrate	22567185	1 liter
Green Concentrate	22567206	5 liter
NEW! Green Concentrate	22567215	20 liter
Green Concentrate	22567217	Barrel 208 liter
NEW! Green Concentrate	1161991	IBC 1000 liter*

* Sold in quants of 1000 liters



For cleaning of cooling systems with green coolant, please see Service Bulletin 26-0 29 4.

Lubricants

Water resistant grease

Volvo Penta water resistant grease is designed to provide excellent adhesion, water resistance and load-carrying properties, as well as long-term protection against corrosion. It is a multi-purpose premium grease and is highly recommended for greasing joints and propeller shafts, folding propellers and all other propeller components.

Designation	Part No.	Volume	Colour	Quality
Waterproof grease	828250	25 gr	Blue	NLGI 2
Waterproof grease	22618330	400 gr	Blue	NLGI 2



Water resistant grease, propeller shaft seal packing box

Water resistant grease lubricates, seals and protects against corrosion. Copes with prolonged loads without losing its protective characteristics. Excellent for propeller shaft seal packing box.

Designation	Part No.	Volume	Colour	Quality
Water-resistant grease	3809449	500 gr	Yellow	NLGI 3



Bearing grease

Bearing grease is a lithium complex mineral oil based grease with EP additives. The grease is recommended as a universal grease for all ball and roller bearings which are used at both high and low running temperatures.

Volvo Penta bearing grease has good thermal stability, which means that it can withstand the high temperature peaks which can occur in bearings during heavy, long-term braking. The grease also has good rust-prevention performance.

Designation	Part No.	Volume	Quality
Bearing Grease	1161251	400 gr	NLGI 2



Grease for electrical contacts

For electrical contacts and low temperature applications.

Note! Not for EVC components.

Designation	Part No.	Volume	Quality
For electrical components	1161417	30 gr	



Lubricants

Silicone grease for crankshaft seal

Volvo Penta Silicone grease PTFE gives good resistance to oxidation, water and high relative humidity. The grease has a wide temperature range and is highly suitable for lubricating between plastic/plastic and plastic/ metal. The grease should not be mixed with other greases.

Designation	Part No.	Volume	Quality
Silicone grease for crankshaft seal	1161687	12 ml	PTFE Silicone
Silicone grease for crankshaft seal	1161325	50 gr	PTFE Silicone



Impeller lubricant

Rubber lubricant for impellers, oil-sensitive O-rings or rubber components.

Designation	Part No.	Volume	Quality
Impeller lubricant	3862178	7 gm	Glycerine



Lubricant for injectors

Assembly compound for injectors, decreases risk of injectors getting stuck. Good corrosion protection and running-in of metallic components.

Designation	Part No.	Volume	Colour
Lubricant for injectors	22618335	500 gr	White



Angle tightening lubricant

Lubricant for angle tightening tensile bolts. For cylinderhead screw

Designation	Part No.	Volume
Lubricant	3588347	25 gr



Rubber lubricant

Diffusing rubber lubricant fluid. For installing propeller bushings and IPS seal ring.

Designation	Part No.	Volume
Rubber lubricant	3817243	100 ml





VOLVO PENTA

ENGINE OIL
VDS-3 15W-40

- Superior
- Fuel economy
- Extended
- Soot-free
- Oil residue
- Reduced
- Oxidation

VDS-3
SAE 15W-40
ACEA E3
API CF-4
1L

Paint



Volvo Penta paint

Volvo Penta paint is the best protection against rust and corrosion for engines, drives and transmissions. The appearance and second hand value of the engine is enhanced if all painting operations are carried out using Volvo Penta paints.

The spray enamels are environmentally friendly aerosol products, containing no chloroflourocarbons. Used in combination with Volvo Penta spray primer, the products deliver a clean long lasting look and dry quickly.

Paint

Touch-up paint - engine [spray]

Designation	Part No.	Volume	Type
Red	827501	400 ml	Aerosol paint
White	1141560	400 ml	Aerosol paint
Green, matte	1141566	400 ml	Aerosol paint
Blue Grey	1141567	400 ml	Aerosol paint
Black	1141568	400 ml	Aerosol paint
Grey	1141575	400 ml	Aerosol paint



Touch-up paint - engine [tin]

Designation	Part No.	Volume	Type
Green, glossy	22618341	1 liter	Tin
Green, matte	22618344	1 liter	Tin
Red	3808216	1 liter	Tin
White	22618302	1 liter	Tin



Touch-up paint - drive [spray]

Designation	Part No.	Volume	Type
Clear enamel	827502	400 ml	Aerosol paint
Silver & Clear - DPH, DPi, DPG, S-drive, Prowler silver-range	889968	2 x 400 ml	Aerosol paint
Primer Blue Grey	1141562	400 ml	Aerosol paint
Metallic Silver - SX Drive	3851219	400 ml	Aerosol paint
Metallic Charcoal - DPX Drive	3851220	2 x 400 ml	Aerosol paint
Dark Charcoal	3851221	400 ml	Aerosol paint



Sealant

Sealing compound

Seals close fitting joints between rigid metal faces and flanges. Operating temperature range: -50°C to +150°C.

Designation	Part No.	Volume	Colour
Sealing Compound	22618325	25 ml	Red



Chemical gasket

Ideal for use on rigid flanges where high temperatures and chemical resistance are necessary at -50°C to 200°C.

Designation	Part No.	Volume
Chemical Gasket	22618326	50 ml



Sealant

Non-setting sealant used to join flat and abraded surfaces, hose and thread connections and gaskets. The sealant is not fast-drying and is well suited of large areas.

Designation	Part No.	Volume
Sealant	1161099	125 ml



Silicone

One-part silicone adhesive that hardens at room temperature. Suitable for both gluing and sealing where very elastic joints are required able to cope with temperatures from -65°C to +200°C. Excellent adhesion to metal, rubber, glass and most plastics.

Designation	Part No.	Volume	Type
Silicone adhesive	1161231	310 ml	Black
Silicone	1161277	20 gr	Black
Silicone	22618327	300 ml	Black



Manifold ends

Oil resistant and coolant resistant. Superior adhesion. Good for large gaps.

Blow-out resistant . Will not corrode metal surfaces

Designation	Part No.	Volume
Manifold ends	3853169	75 gr



Sealant

Sealant

Ideal for metal components such as cast iron components and pump housings.
Operating temperature range: -50°C - +150°C. Silicone, high temperature resistance.

Designation	Part No.	Volume
Sealant	21076467	300 ml
Sealant	21110325	310 ml

Sealant

A graphite-based sealant and corrosion inhibitor for pipe joints, flanges and threads in e.g. exhaust systems. Will not damage gasket materials even in high temperatures.

Designation	Part No.	Volume
Sealant	591247	1 kg



Adhesive and locking fluid

Glue

Sealant for exhaust pipes (2-butanonoxim vinyl trioxim silane) flanges in permanent contact with oil. May be used on metal, plastic or painted components.
Operating temperature range: -60°C - +200°C

Designation	Part No.	Volume	Type	Quality
Glue	22618323	50 ml	Adhesive	-60°C - +200°C



Metal adhesive

Maximum resistance against dynamic, axial and radial loads. Ideal for shafts, gears, blocks and similar cylindrical components.
Operating temperature range: -55°C to +150°C

Designation	Part No.	Volume	Type	Quality
Metal adhesive (Green)	1161370	50 ml	Adhesive	-55°C till +150°C



Thread locking agent

Volvo Penta thread locking fluid secures fasteners from self-loosening and prevents loss of clamp load due to vibration and shock loads. They are easy-flowing liquids which fill the gaps between mating threads and prevent corrosion by creating a unitized assembly.

Designation	Part No.	Volume	Type	Quality
Thread locking agent - medium strength (Blue)	1161053	10 ml	Locking fluid	-55°C - +150°C
Thread locking agent - extra strong (Green)	1161075	10 ml	Locking fluid	-55°C - +150°C
Thread locking agent - for hydraulics (Brown)	1161056	50 ml	Locking fluid	-55°C - +150°C



Misc.

Anti-rust agent

Thin ML rust prevention oil spray. A solvent-free rust prevention oil in spray can for small workshop jobs or "do-it-yourself". The product is intended to be used in sills, beams and other box sections. A soft, waxy film is left after treatment. The rust prevention oil can be sprayed with the accompanying hose, without using any special nozzles.

Before use, clean surfaces to be treated with white spirit or degreaser

Designation	Part No.	Volume
Anti-rust agent	9510227	500 ml



Yellow marking paint

Yellow pigment to be mixed with a very small amount of oil. To be used then checking contact pattern of gears.

Designation	Part No.	Type
Yellow - oxide of iron	3807716	Paint



Urea solution

AdBlue is required for most new diesel driven vehicles in Europe to reduce emissions of harmful particulates.

Designation	Part No.	Volume
Urea Solution	85109697	10 liter



Explanations

ACE A

European automotive manufacturers organisation. specifies oils for passenger cars, light duty and heavy duty vehicles.

ACEA E2, E3, E4, E5, E9

Meet requirements for heavy duty diesel engines.

ACEA E9

Meets the most recent requirements.

API

American Petroleum Institute. Specifies oil quality.

API CI-4, CH-4, CG-4, CF, CF-4

specifies oil quality standard for Diesel Engine Oil. This standard indicates requirements regarding carbon deposits on pistons, bearing corrosion, camshaft wear, oil consumption as well as max. viscosity increase of the oil.

API CF-4

lubricants that only meet the API CF-4 specifications are NOT suitable for Volvo engines. By using such oil there is a risk of engine failure.

API CI-4

Oil intended for use in high speed fourstroke diesel engines manufactured to meet 2004 truck emission demands from the USA. Oils that meet the API Ci-4 standard are adapted for engines with EGR-system. API CJ-4 oils exceed the performance criteria of previous API categories such as Ch-4 and CG-4 and can effectively lubricate engines alling for those API service Categories.

API CJ-4

This is the latest standard from American Petroleum institute. For highspeed four-stroke cycle diesel engines designed to meet UsA 2010 model year on-highway and Tier 4 nonroad exhaust emission standards. Optimum protection is provided for control of catalyst poisoning, particulate filter blocking, engine wear, piston deposits, low- and high-temperature stability, soot handling properties, oxidative thickening, foaming, and viscosity loss due to shear. APi CJ-4 oils exceed the performance criteria of API Ci-4 with Ci-4 PIUs, Ci-4, Ch-4, CG-4 and CF-4 and can effectively lubricate engines calling for those API service Categories.

API GL-5

Refers to oils for hypoid (bevel) gears under high load.

EGR Exhaust Gas Recirculation

Exhaust gas recirculation (EGR) is a nitrogen oxide (NOx) emissions reduction technique used in petrol/gasoline and diesel engines.

EP grease

Grease containing additives to prevent metals surfaces from seizing under extreme pressure (EP) conditions.

ISO VG

Viscosity classification of industrial oils. A class designation does not entail a quality evaluation, it only informs about the viscosity at the reference temperature which is 40°C. VG stands for Viscosity Grade.

ISO VG 46 Viscosity's nominal value = 46 cSt at 40 °C

ISO VG 68 Viscosity's nominal value = 80 cSt at 40 °C

Moly grease

Grease containing Molybdenum Disulphide particles as a solid additive to improve wear performance in special applications.

NLGI number

A scale for comparing consistency (hardness) range of greases. Number are in order of increasing consistency with NLGI 0 being semifluid and NLGI 6 solid.

SAE

Society of Automotive Engineers. Classification of lubricants depending on their viscosity. There are two systems for SAE-numbers, one for engine oils and one for transmission oils. The lower the SAE-no. in respective SAE-system, the thinner the oil.

VDS-3

First issued in 2000 and primarily required for engines certified to Euro III and Euro IV emission standards. Initially, approvals was obtained by field trials as described in Volvo Powertrain test code PK317 or through a combination of ACEA E7 (or API CI-4) and engine test data obtained in D12D engine as described in Volvo Powertrain test code TC415. Since 2010 however, VDS-3 is issued as STD-417-002.

VDS-4

First issued in September 2006 as STD 417-0001. Required for engines certified to Euro V, JPN PNLT, US07 and later emission standards.

VCS

Volvo Coolant Specification

Please note that products illustrated may differ from production models. Not all models are available in all markets. Every effort has been made to ensure that facts and figures are correct at the time of publication. However, Volvo Penta reserves the right to make changes without prior notice at any time.



**VOLVO
PENTIA**

ENGINE OIL

VDS-3 15W-40

- Ⓢ Engine Oil
- Ⓢ Huile moteur
- Ⓢ Motoröl
- Ⓢ Motorolie
- Ⓢ Olio motore
- Ⓢ Aceite de motor
- Ⓢ Oleo de motor
- Ⓢ Motorolja
- Ⓢ Motorolie
- Ⓢ Motorölje
- Ⓢ Motoröljy
- Ⓢ Топливо двигателя
- Ⓢ Моторное масло
- Ⓢ Motor yağı
- Ⓢ Olej silnikowy
- Ⓢ Motorový olej
- Ⓢ Motorový olej



**ACEA E7;
API CI-4**

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PENTA**

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