

VOLVO PENTA

Volvo Penta of the Americas
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Parts Bulletin

Group Number
P-18-4 -114

VCS-2 Coolant Introduction

Models: All Volvo Penta Engines today using VCS Coolant
Region: North America

Distribution: Parts Date: Binder: Parts Replaces:

Content	VCS-2 Coolant will replace current range of VCS Coolant.
Product description	Introduction of VCS-2 Coolant as a replacement of the VCS Coolant
Product quality	VCS-2 in Concentrated and Ready Mixed 1L, 5L, 210L and 330Gallon
Markets	All markets
Introduction date	VCS-2 will be introduced as a replacement of current VCS Coolant
Available to order	VCS-2 will be available as of August based on final replacement.
Safety Data Sheets	Available at websds.volvo.com
Volvo Part Number	Below is the p/n replacement list (replacement is est. Q3 2023)

The VCS-2 coolant replaces the VCS coolant and can be used with all VCS- approved Volvo Penta engines and electric drivelines. VCS-2 can be mixed with VCS.

Note!

Mixing of VCS-2 with other coolants than VCS is not recommended.

VCS-2 **IS NOT** compatible/cannot be mixed with the Volvo Penta Coolant G48 coolant (green color). G48 (green coolant) is still needed for older engines.

Technical details

VCS-2 has been extensively tested to meet the requirements in industry standards ASTM D3306 and Volvo Group standard STD 418-0007 to guarantee optimized performance in Volvo Penta engines and electric drivelines. VCS-2 is based on LoBrid Technology (90 % Organic Acid Technology /10% Inorganic Acid Technology), which provides improved coolant-oxidation stability, less metal corrosion, and better rubber/plastic compatibility. The inhibitors in VCS-2 are free from 2- EHA and meet stricter regulatory requirements on the removal of toxic components in coolants to improve health and the environment.

Dilution

The VCS-2 coolant is available in both concentrated and ready-mixed containers, with the following blending ratios:

- 40/60 that provides antifreeze protection down to -13 °F
- 50/50 that provides antifreeze protection down to -34 °C

Both the concentrated and ready- mixed coolant will be available in 5-liter, and 210-liter(Drum) 330 Gallon Tote only in Ready Mix.

The concentrated coolant must be diluted with water before use and the water-quality requirements are described in the Volvo Group standard STD 1285.1. The correct mixture of VCS-2 coolant will provide protection to:

- Prevent the coolant from freezing in cold temperatures.
- Prevent the coolant from boiling in hot temperatures.
- Prevent corrosion and rust of metal parts in the cooling circuit and engine.
- Extend the life of rubber and plastic components of the coolant system.
- Prevent electrolysis, which is corrosion caused when coolant breaks down and becomes electrically charged.



VCS P/n VCS-2 P/n Sku

VCS-2 concentrate	22567295	24389709	5L
VCS-2 concentrate	22567307	24389712	210L (Drum)
VCS-2 ready-mix 40/60	22567314	24389714	5L
VCS-2 ready-mix 40/60	22567340	24389720	210L (Drum)
VCS-2 ready-mix 40/60	22354285	24389723	330 Gallon Tote

- New local VCS-2 p/n will also be introduced in European/China/India/Australia/South Africa for local production.
For info on these markets please refer to local information regarding P/n /Sku's/ etc