

Product Information



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Heavy Duty Chemicals – HD Coolant

Version: 2011/17#1

Valvoline™ HD Nitrite Free Coolant RTU OAT Coolant for Heavy Duty Diesel Engines

HD Nitrite Free Coolant RTU is registered to Cummins CES 14603, conforms to ASTM D6210 and is suitable for common heavy duty diesel engine requirements. It incorporates organic acid technology to protect diesel engines from liner pitting and hard water scale deposits. The silicate and nitrite free extended life chemistry protects all cooling system metals from corrosion including aluminum. Valvoline HD Nitrite Free Coolant can also be used in gasoline, stationary power, marine, natural gas and light duty applications. The product is compatible with other coolants on basis of mono ethylene glycol, however mixing with other coolants may shorten the long life characteristics of the product. Keep the cooling system full and check concentration or freeze point regularly.

Performance levels

HD Nitrite Free Coolant RTU
ASTM D6210
ASTM D3306
Aggreko Approved
GM 6277
GM 1899M, 1825M
TMC of ATA RP-329B
TMC of ATA RP-338
Cat EC-1
Mack
Peterbilt
Ford
Chrysler

HD Nitrite Free Coolant RTU
Cummins 14603 registered
SAE J1034, J814
Detroit Diesel 7SE298
Thermo King
Link Belt
Freightliner
Terex
John Deere
Navistar CEMS B-1 Type III-A
Federal Specification A-A-870A
VW, Audi, MAN, Mercedes,
MTU, Paccar, Scania, Volvo

Features and Benefits

Unique formula for superior protection

Superior protection by organic acid technology to protect diesel engines from liner pitting and hard water scale deposits. The silicate and nitrite free extended life chemistry protects all cooling system metals from corrosion including aluminum.

Wide application range

HD Nitrite Free Coolant RTU protects modern vehicles with aluminum engines as well as older vehicle models. It covers a wide application range including diesel engines, gasoline engines, stationary power, marine, natural gas, and light duty applications.

Extended Life Coolant

HD Nitrite Free Coolant RTU provides up to 6 years / 600,000 miles / 12,000 hours of service without the need for extenders due to non-depleting organic acid technology.

Coolant compatibility

HD Nitrite Free Coolant RTU is compatible with major long life and conventional brands of ethylene glycol based coolant. However, long life characteristic may be diminished by mixing with light duty or conventional fully formulated coolants.



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Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. A Safety Data Sheet (SDS) is available on request via your local sales office or via the internet @ <http://msds.ashland.com>
This product contains a bittering agent.

Protect the Environment

Take used chemicals to an authorized collection point. Do not discharge into drains, soil or water.

Typical Properties

Typical property characteristics are based on current production. Whilst future production will conform to Valvoline specifications, variations in these characteristics may occur.

HD Extended Life RTU	
Ready To Use	
Appearance	Liquid
Colour	Yellow
Boiling point °C.	128 min.*
Flash point °C. PMCC	121
pH. 50% V/V (ASTM D-1119)	9
Specific Gravity g/cm ³ @ 20°C.	1.077
Hard water stability	Stable

* Boiling Point shown using conventional 15 psi Radiator cap.

Freezing Temperature :

Ready to use product: -37°C

**This information only applies to products manufactured in the following location(s):
Europe**

Keeping the world moving since 1866™

Serving more than 100 countries around the globe, Valvoline is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants including MaxLife, the first motor oil specifically formulated for higher-mileage vehicles; transmission fluids; gear oils; hydraulic lubricants; automotive chemicals; specialty products; greases, and cooling system products.

For more information on Valvoline products, programs and services please visit www.valvolineurope.com

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