



## Valvoline™ Extended Life PG Coolant RTU

Valvoline™ Extended Life PG Coolant RTU is a full formulated Hybrid technology propylene glycol (PG) Extended Life Heavy Duty Coolant. This Hybrid technology coolant has the advantage of being more robust than both conventional and organic acid technology (OAT) engine coolants. This low silicate, phosphate and amine free product is recommended for use in automotive (aluminium compatible), light duty and heavy-duty diesel applications namely on-road truck, off-road mining, farm and marine.

Valvoline™ Extended Life PG Coolant RTU Heavy Duty Coolant is premixed 50% concentration providing up to 6 years / 1,000,000 kilometers / 12,000 hours (whichever comes first). It does not require an initial charge of supplemental coolant additives (SCAs) upon initial fill in heavy duty diesel applications as the product is specially formulated to protect heavy duty diesel wet sleeve liners. SCA addition is dependent on the application and should only be added as and when required by the vehicle's OEM in conjunction with in-service coolant monitoring.

Valvoline recommends filling and always topping off with Valvoline™ Extended Life PG Coolant RTU. Long life characteristics including cooling system protection may be diminished by mixing of coolants.

Valvoline™ Extended Life PG Coolant RTU meets the performance requirements of ASTM D6210 for heavy duty diesel engine applications and meets, exceeds or is recommended for:

### Specifications and Approvals

Valvoline™ Extended Life PG Coolant RTU*
ASTM D6257, D6211
TMC RP 330
Caterpillar
MTU
Cummins
New Holland, Detroit Diesel
Paccar
Daimler Chrysler
Peterbilt
Ford Heavy Truck
Perkins
Freightliner
Saab - Scania
GM Heavy Truck
Mercedes Benz, Kenworth, MAN, Landrover
Volvo Heavy Truck, White Star
US Federal
Suitable for Toyota engines

\* Check owners' manual before use.

### Applications

Valvoline™ Extended Life PG Coolant RTU coolant is designed for use in many industry specification and applications. Please consult the owners' manual before use.

### Mixture Ratio Guide

Refer to vehicle cooling system requirements for correct mixture ratio.

Antifreeze Boil/Freeze Protection**		
Antifreeze %	Freezing Point, °C	Boiling Point, °C
50	-36	128

\*\*Typical 15psi radiator pressure cap

**Note:** Complete drain and flush of cooling system is always recommended. Mixing with light duty or conventional fully formulated coolants may diminish optimum performance and cooling system protection.

### Features and Benefits

- Propylene Glycol (PG) Ready to use (RTU) Premixed – No dilution required
- Low silicate, phosphate and amine free formulation
- No initial fill SCA requirements. Product is compatible with standard SCAs and coolant extenders.
- Full formulated to protect against liner pitting
- Extended drain up to 6 years, 1,000,000 kilometres or 12,000 hours (whichever comes first) Always follow OEM guidelines regarding coolant system maintenance. Never add SCA or coolant extender unless coolant testing shows it is required\*.
- Multi-application use, recommended for use in various cooling system types

# PRODUCT INFORMATION



## 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.valvoline.com.au](http://www.valvoline.com.au) or contact the Technical Hotline on 1800 804 658 for product recommendations.

## Typical Properties

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

Valvoline™ Extended Life PG Coolant RTU		
Characteristics	Typical	ASTM Method
Chloride	95	ICP
Specific Gravity	1.1053	D1122
Freezing point, 50% V/V	-33°C	D1177
Boiling Point, 50% V/V	108°C	D1120
Effect on engine or vehicle finish	No Effect	-
Ash content, mass %	2.5 Typical	D1119
pH, 50% V/V	8.0	D1287
Reserve alkalinity*	12.0	D1121
Water mass %	3	D1123
Color	Red	-
Effect on nonmetals	No adverse effect	-
Storage stability	>3 years	-
Foaming	50 ml	D1881
	5 sec Break max	D1811
Cavitation-erosion rating	8min	D2809

\*Reserve Alkalinity (RA) is a term used to indicate the amount of alkaline inhibitors present in antifreeze formulation. It is incorrect to relate a high RA with a high-quality antifreeze. Present state-of-the-art antifreeze formulations contain many new inhibitors which give added protection to certain metals but do not raise the RA number

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

Part Number	Pack Size
0947.20	20L
0947.51	205L

## Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. Safety Data Sheet (SDS) is available on request via your local sales office or 1800 804 658 or through our website [www.valvoline.com.au](http://www.valvoline.com.au)

## Protect the Environment

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

## Storage

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60 °C, exposed to hot sun or freezing conditions.

## Author:

VP - Effective 07-09-2021

Replaces - 0947/01