

RED COOL XL PREMIX

PRODUCT DESCRIPTION

Vertex Red Cool XL Premix is a ready to use Type A ethylene glycol-based coolant, free from NAPS (Nitrites, Amines, Phosphates, Silicates, Borates, and 2-Ethylhexanoic acid). Red Cool XL Premix utilises a premium formulation of organic acid additive (OAT) as an inhibitor package, specifically engineered for use in diesel and petrol vehicles manufactured in Europe and Japan, as well as heavy-duty vehicles for both on and off-road applications, industrial machinery, and agricultural and construction equipment. This coolant is designed to ensure optimum heat transfer, reducing operational temperatures, and providing maximum protection against foaming, rust, corrosion, cavitation, scaling, oxidation, and degradation of the cooling system. The product offers a guaranteed protection period of at least 7 years or 500,000 kilometers, whichever comes first. Vertex Red Cool XL Premix is a ready to use formulation requiring no dilution, offering protection for to 7 years, 1,000,000 kilometers, or 20,000 hours, whichever occurs first. Red Cool XL Premix meets European standards for phosphate-free formulations and Japanese standards for being silicate and 2-Ethylhexanoic acid-free. It is particularly suitable for use in petrol, light and heavy-duty diesel engines, mining equipment, marine vessels, highway vehicles, both on and off-road, and stationary engines in industrial settings where anti-freeze, anti-boil, and anti-corrosion properties are essential. Vertex Red Cool XL Premix provides freezing protection down to -37°C, with a boiling point of 107°C.

APPLICATIONS & BENEFITS

- Ready to use formulation.
- Ethylene glycol-based coolant without NAPS.
- Meets AS2108:2004 Type A requirements.
- Contains OAT inhibitor package for diesel/petrol vehicles, heavy-duty machinery.
- Optimal heat transfer protects against foaming, rust, corrosion, scaling, oxidation.
- 7 years/500,000 km protection, extendable for heavy-duty diesel.
- Meets European phosphate-free, Japanese silicate/2-Ethylhexanoic acid-free standards.
- Compatible with all plastics, rubbers, and seals.
- Suitable for various engines/equipment including motorcycles, wind turbines, solar farms.
- Provides freezing protection down to -37°C, with a boiling point of 107°C.

PACK SIZES AVAILABLE

20L, 205L

SPECIFICATIONS

- | | | |
|---------------------------|-------------------------------|------------------------------|
| • AS 2108:2004 Type A | • Jaso 325 | • Skoda TL774-D/F |
| • Fiat 9.55523 | • Porsche | • CNH MAT 3624/3724 |
| • Opel | • BR637 | • Lamborghini TL 774-D/F |
| • AFNOR NFR 15-601 Type I | • JIS K2234 | • Toyota Long Life TSK2601G |
| • Ford WSS-M97-B44-D | • Renault 774-D | • CHRYSLER MS 12106/ MS 7170 |
| • ONORM V 5123 | • Bugatti TL774D/F | • LIEBHERR MD 1-36-130 |
| • Atlantis Diesel Engines | • John Deere 8650-4 | • VW TL774-D/F |
| • Freightliner 48-25878 | • Saab | • CUMMINS CES 14603, 14439 |
| • Nissan NES M5059 | • Case New Holland MAT3620 | • MAN 324 SNF |
| • Audi TL 774-D/F | • Komatsu | • Waukesha 4-1974D |
| • GM 1825M/1899M/6277M | • Scania T1.02-98 0813 | • CUNA NC 956-16 |
| • Paccar CSO185 | • Caterpillar EC-1 | • MACK RVI/ MACK 014 GS |
| • BAIC Foton Motors | • KSM 2142 | • 17009 |
| • Hyundai | • Seat TL774-D/F | • Volvo |
| • Peugeot | • Caterpillar MAK A4.05.09.01 | • DAF MAT 74002 |
| • Bentley TL774D/F | • IVECO 18-1830 | • MAZDA MEZ MN 121D |

- Daihatsu
- MB 325.3
- Detroit Diesel 93K217/Perkins
- Mini Diesel D
- Deutz DQC CB-14
- Mitsubishi ES-X64217
- Deutz AG 0199-99-1115/AG 0199-99-2091
- MTU MTL 5048
- Ferrari (from 2005)
- Navistar

TYPICAL CHARACTERISTICS

RED COOL XL PREMIX	METHOD	VALUES
Chemical Nature:	Proprietary Formulation	Type A coolant / organic corrosion inhibitors
Appearance	Visual	Clear Liquid without solid matter
Colour	Visual	Red
Density, at 20 °C	DIN5175-3	1.065-1.075 g/cm ³
Boiling Point	ASTM D1120	107°C
Freezing point	ASTM D1177	≤-37°C
Reserve Alkalinity, mL	ASTM D1121	2 min.
Foam characteristics	ASTM D1188	<50mL/<3s
pH Value	ASTM D1287	7.5-9.5
Typical ASTM Corrosion Performance		
Glassware Corrosion Test ASTM D 1384		
Metal and alloy	Weight loss (mg/coupon)	Spec. limit (mg/coupon)
Copper	1	10 max
Solder	0	30 max
Brass	*-1	10 max
Steel	0	10 max
Cast Iron	*-4	10 max
Cast Aluminium	2	30 max
* Negative values mean increase of weight		

ADDITIONAL INFORMATION

- Premixed should be used as purchased. No dilution is required.
- Always dispose used coolants in accordance with state regulations
- The products contain Bittering agents.
- Product can be stored for 5 years provided container remains sealed.
- Full System Flush is recommended before using this product.

Designed for New Zealand Conditions | Manufactured from virgin base stocks. For more technical information please contact Vertex Lubricants NZ Technical Dept. +64 9 640 0004. Sheet updated 2 April 2025.