

PG COOL PREMIX

PRODUCT DESCRIPTION

Vertex PG Cool Premix is a ready to use biodegradable, non-toxic Type A propylene glycol-based coolant, featuring an advanced hybrid formulation with low inhibitor rate depletion, ensuring prolonged protection without the need for initial or supplemental coolant additives dosage (SCAs). Engineered to deliver exceptional protection against pitting corrosion across a range of heavy and light-duty petrol and diesel engines, stationary power units, marine vessels, and agricultural equipment. The hybrid inhibitor package facilitates optimal heat transfer, resulting in reduced operational temperatures and comprehensive protection against foam formation, rust, corrosion, cavitation, scaling, and oxidation. It offers a protection period of up to 7 years, 1,200,000 kilometers, or 20,000 hours, whichever comes first. PG Cool Premix provides freezing protection below -28°C and a boiling point of 104°C.

APPLICATIONS & BENEFITS

- Ready to use formulation – no dilution required.
- Biodegradable, non-toxic Type A propylene glycol-based coolant.
- Advanced hybrid formulation with low inhibitor rate depletion for long-lasting protection without initial or supplemental coolant additives.
- Provides outstanding pitting corrosion protection for heavy and light-duty petrol and diesel engines, stationary power, marine, farm, on-road trucks, off-road mining vehicles, and marine applications.
- Hybrid inhibitor package ensures optimal heat transfer, reducing temperatures and offering maximum protection against foams, rust, corrosion, cavitation, scaling, and oxidation.
- Offers up to 7 years, 1,200,000 kilometres, or 20,000 hours of protection for heavy-duty diesel engines.
- Suitable for passenger and light-duty vehicles, ensuring protection for at least 7 years or 500,000 km.
- Compatible with all plastics, rubbers, and seals.
- Provides freezing protection below -28°C and a boiling point of 104°C.

PACK SIZES AVAILABLE

20L, 205L, 1000L IBC

SPECIFICATIONS

- | | | |
|-----------------------------------|----------------------------|-------------------------|
| • AS 2108:2004 Type A | • Ford WSS-M97B51-A | • Navistar/ITE CEMS B-1 |
| • ASTM D 3306/4985/6210 | • Freightliner 48-22880 | • New Holland |
| • Caterpillar EC-1 | • GM 6277M, GM Heavy Truck | • Paccar |
| • Chrysler MS7170 & MS9769 | • John Deere | • Perkins |
| • Cummins 14603 | • Kenworth | • Peterbilt |
| • Detroit Diesel 7SE29 | • KOMATSU | • Scania |
| • Federal Specification A-A-8870A | • Land Rover | • Terex |
| • Ford ESE-M97B44A | • Mack 014 GS 17009 | • Thermo king |
| • Ford WSS-M97B44D | • MAN 324 | • TMC RP 329/338 |
| | • MTU MTL 5048 | • Volvo |
| | | • White stars |

TYPICAL CHARACTERISTICS

| PG COOL PREMIX | METHOD | VALUES |
|---|-------------------------|--|
| Chemical Nature: | Proprietary Formulation | Propylene glycol plus corrosion inhibitors |
| Appearance | Visual | Clear Liquid without solid matter |
| Colour | Visual | Red |
| Density at 20 °C | DIN5175-3 | 1.03-1.05 g/cm ³ |
| Boiling Point | ASTM D1120 | 104°C |
| Conductivity, mS/cm | >2.0 | ASTM D1125 |
| pH Value | ASTM D1287 | 8.0-10.0 |
| Freezing point @ mix ratio, %, vv. 50 | ASTM D1177 | -28°C |
| Foam characteristics | ASTM D1188 | <50mL/<3s |
| 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 | 0 | 10 max |
| Steel | *-1 | 10 max |
| Cast Iron | 0 | 10 max |
| Cast Aluminium | 0 | 30 max |
| * Negative values mean increase of weight | | |

ADDITIONAL INFORMATION

- Premixed product 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 18 March 2024.