

# Viva Energy HD Premium N PG Pre-Diluted 50/50



## Description

Viva Energy HD Premium N PG Pre-Diluted 50/50 is a premium anti-freeze, anti-boil and anti-corrosion pre-diluted, propylene glycol coolant/antifreeze product ready to use directly in cooling systems.

## Performance Features

- Protection for diesel engines using a nitrated, conventional coolant.
- Propylene Glycol based formulation reduces toxicity compared to mono-ethylene glycol based formulations.
- Pre-diluted to an optimum 50:50 dilution with demineralized water for improved stability, freeze protection, and boil protection.
- Amine and phosphate free.
- Provides excellent wet sleeve liner cavitation protection without an initial charge of SCA or coolant extender.
- Provides appropriate corrosion protection to all coolant system metals including copper, solder, brass, steel, cast iron and aluminum.
- Extended Life with proper monitoring.

## Applications

- Viva Energy HD Premium N PG Pre-Diluted 50/50 is a propylene glycol based coolant compatible with many other coolants. It is a pre-diluted coolant requiring no field dilution. It features propylene glycol for lowered toxicity. It has the potential to deliver extended life of up to 12,000 hour or 1,000,000km in heavy duty applications under normal operating conditions as long as the coolant is checked at regular intervals after 6,000 hrs or 500,000kms and kept in good condition with the supplemental coolant additive (SCA) levels in line with the OEM's requirements.
- Viva Energy HD Premium N PG Pre-Diluted 50/50 is phosphate and amine free. Viva Energy HD Premium N PG Pre-Diluted 50/50 is designed for heavy-duty diesel applications namely on-road truck, off-road mining, farm and marine applications.

## Health, Safety and Environment

Viva Energy HD Premium N PG Pre-Diluted 50/50 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained. Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water. Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from the Viva Energy Technical Help Desk.

**Protect the Environment.** Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

**Product Usage Recommendations.** This product is already pre-diluted and does not need any further addition of water. Adding too much water to the coolant system without sufficient corrosion inhibitor will create corrosion performance issues in any engine coolant system. This product is to be applied directly into cooling systems.

**Shelf Life.** When stored under cover – away from moisture and direct sunlight – this product should be suitable for use for up to two years after manufacture.

**Specifications / Approvals**

Suitable for use where the following specifications are quoted:

- ASTM D3306, D4985, D6211
- Caterpillar
- Cummins
- Daimler Chrysler
- Detroit Diesel
- Ford HD Trucks
- Freightliner
- General Motors Heavy Truck
- Kenworth
- Landrover
- Mack Truck
- MTU
- TMC RP 330
- New Holland
- PACCAR
- Peterbilt
- Perkins
- Saab-Scania
- Mercedes-Benz
- MAN
- Volvo Heavy Truck
- White Star

For further information regarding equipment approvals and recommendations contact the Viva Energy Technical Help Desk.

**Typical Physical Characteristics**

Properties	Methods	Premium HD N PG Pre-Diluted 50/50
Colour		Blue
pH	ASTM D1287	7.5 – 9.0
Reserve Alkalinity	ASTM D1121	3 min
Specific Gravity @15.6°C/60°F	ASTM D1122	1.048 – 1.058
Freeze Point (as sold)	ASTM D1177	- 31°C
Foam Test	ASTM D1881	
Volume ml		50 max
Break Time sec		5 max
Ash Content % m	ASTM D1119	2.5 max
Total Glycols % m		50.0 min
Water Content % w/w	ASTM D1123	49.0 – 51.0
Chloride	ASTM D3634	25 max

These characteristics are typical of current production. Whilst future production will conform to Viva Energy's specification, variations in these characteristics may occur.

**Technical Help Desk**

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