

# 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, fully formulated Hybrid technology propylene glycol coolant product.

The product is a Hybrid Organic Acid Technology (HOAT) - coolant boosted with borate, nitrite, nitrate, molybdate and silicate inorganic corrosion inhibitors. It is a low silicate, phosphate-free, and amine-free coolant. It is suitable for heavy duty applications without the need for supplemental coolant additives (SCAs).

Viva Energy HD Premium N PG Pre-Diluted 50/50 is ready-to-use and requires no further dilution.

## Performance Features

- Propylene Glycol based formulation.
- 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 corrosion protection to all coolant system metals including copper, solder, brass, steel and cast iron.
- It provides excellent high temperature aluminium protection.
- Extended Life coolant - has the potential to deliver extended life of up to 12,000 hours or 1,000,000km without the need for supplemental coolant additives (SCA's) 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.

## Applications

- 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.
- Specifically formulated to protect cylinder liners from pitting in heavy duty applications. The low silicate level also provides aluminium compatibility for use in both light and heavy duty applications, making it highly suitable for mixed fleets (light duty as well as heavy duty gasoline and diesel engines).
- This heavy duty coolant provides exceptional summer cooling and excellent freezing protection during winter. It should be used without further dilution.
- Compatible with both conventional and OAT coolants. (Although to get the best performance, flushing the old coolant and replacing with Viva HD Premium N PG 50/50 coolant is recommended).
- Advice on applications not covered here may be obtained from your Viva Energy Technical Help Desk

## 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 [www.vivaenergy.com.au](http://www.vivaenergy.com.au) or the Viva Energy Technical Help Desk.

**Protect the Environment.** Take used product 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 D6210, D6527
- Caterpillar
- Cummins
- Daimler Chrysler
- Detroit Diesel
- Ford HD Trucks
- Freightliner
- General Motors Heavy Truck
- Kenworth
- Land Rover
- 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	Volume Break Time	ASTM D1881	50 max 5 max
Ash Content	% m	ASTM D1119	2.5 max
Total Glycols	% m		50.0 min
Water Content	% w/w	ASTM D1123	49.0 – 50.0
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

Phone	1300 134 205
Email	technicalhelpdesk@vivaenergy.com.au