

Reco-Cool HD Premium Concentrate Antifreeze/ Coolant

Long Life Hybrid Silicated Organic Additive Technology Coolant Concentrate

Reco-Cool HD Premium Concentrate Antifreeze/ Coolant is a low silicate, phosphate-free, nitrite free, and amine-free, fully formulated hybrid organic additive technology engine coolant. This product does not require a charge of supplemental coolant additive (SCA) during the initial fill.

Reco-Cool HD Premium Concentrate Antifreeze/ Coolant is designed for use in automotive, light duty and heavy-duty diesel applications.

Applications

Reco-Cool HD Premium Concentrate Antifreeze/ Coolant can be used in automotive and heavy-duty applications. It is compatible with heat rejecting aluminium surfaces and is suitable for use in Petrol, natural gas and Diesel powered engines.

This product is particularly suited in applications which require a hybrid technology which is low-silicated, and NAP Free (nitrites/ amines/ phosphates free). The product is a concentrated antifreeze/coolant and should be diluted 50% with good quality water (demineralised or deionised) before use.

Performance Features and Benefits

- **Long life hybrid organic acid technology**

In Petrol Engine applications, this product is suitable for up to 5 years or 250,000km, whichever comes first. In Diesel applications, the product is suitable for up to 6 years, 500,000km or 12,000hr lifetime whichever comes first.

- **NAP free**

Product is free of nitrite, amine and phosphate and as such meets the basic requirements of European OEM's.

- **Liner cavitation protection**

This product provides excellent liner cavitation protection (without the use of nitrites) as shown through the Deere Liner Cavitation Test, ASTM D7583.

- **No initial charge SCA requirement**

When used in long haul or heavy-duty applications, there is no need to add an initial charge of SCA to the fresh coolant.

- **Universal use**

Product can be used in all engine types including automotive, light and heavy duty gasoline and diesel engines. Applications include on-road, off-road, farm, construction and mining equipment

- **Widely compatible with other coolants**

Product is widely compatible with other engine coolants; although to get best performance (regarding issues such as long life and time between SCA addition), it is best to flush the old coolant and replace with Reco-Cool HD Premium Concentrate Antifreeze/ Coolant.

Specifications and Approvals

Reco-Cool HD Premium Concentrate Antifreeze/ Coolant is recommended for use with the following engine coolant specifications:-

ASTM	D3306 / D4985 / D6210-10 / D7583
AS/NZS	2108:2004 Type A
SAE	J1034/J1941
Chrysler	MS9769
Cummins	Bulletin 3666132
Caterpillar	EC-1
DDC	7SE 298 / 93K217
Freightliner	
GM	1825M / 1899M / Heavy Truck
JIS	K2234
MAN	324
MTU	MTL 5048
MB	DBL 7700.00
Saab/Scania	6901
Renault	Type D
VW	TL 774C



Health & Safety

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from your Recochem representative.

Shelf Life

When stored undercover, away from moisture and direct sunlight, this product should be suitable for use for up to three years after manufacture.

Protect the Environment

Take used coolant products to an authorised collection point. Do not discharge into drains, soil or water.

Typical Physical and Chemical Characteristics

Reco-Cool HD Premium Concentrate Antifreeze/ Coolant	Method	Units	Performance
Appearance	Visual		Yellow, Clear and Bright fluid
pH (50% v/v solution)	ASTM D 1287		7.5 – 9.0
Reserve Alkalinity	ASTM D 11121	mL 0.1N HCL	12 min
Specific Gravity (15 DegC)	ASTM D 1122	kg/L	1.120 – 1.140
Freeze Point (50% v/v solution)	ASTM D 1177	Deg C	-37
Chloride	ASTM D 3634	ppm	25 max
Total Glycol		%w/w	94.0 min
Total Apparent Water		%w/w	4.5 max

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

