

 RECO-COOL



## RECO-COOL HD EXPERT EXTEND Concentrate Antifreeze/Coolant

### Long Life Organic Additive Technology (OAT) Coolant Concentrate

Reco-Cool HD Expert EXTEND Concentrate Antifreeze/Coolant is a fully formulated, long-life organic additive technology designed for use in both automotive and heavy-duty diesel engine coolant applications. It is free of silicates, phosphates, borates, nitrites and amines.

#### Applications

Heavy duty and light duty engine coolant Reco-Cool HD Expert EXTEND Concentrate Antifreeze/Coolant is a nitrite, amine and phosphate-free (NAP) engine coolant suitable for light duty automotive as well as heavy duty diesel & CNG engines found in on-road, off-road, marine, agricultural, mining and construction equipment.

Reco-Cool HD Expert EXTEND Concentrate Antifreeze/Coolant contains inhibitors to protect engine parts against corrosion, including copper, solder, brass, steel, cast iron and aluminium parts. It also provides excellent wet sleeve liner cavitation protection without the use of nitrites. The product is recommended for use in mixed fleet, gasoline and diesel applications.

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 organic additive technology**

This product when used in diesel applications is suitable for up to 600,000km, 4 years or 8,000 hours, whichever comes first. In automotive applications, the product is suitable for up to 5 years or 250,000km, whichever comes first.

- **Free from silicates, phosphates, borates, nitrites and amines**

When used in long haul or heavy-duty applications, there is no need to initially charge the fresh coolant with SCAs.

- **Compatibility**

This product is fully compatible with other similarly formulated organic additive technology long life engine coolants. The product is also widely compatible with other silicate-free engine coolants.



### Specifications and Approvals

Reco-Cool HD Expert EXTEND Concentrate Antifreeze/Coolant is recommended for use where the following industry and OEM specifications are required (when pre-diluted as described in this document):-

ASTM	D3306/D6210
BS	6580
JIS	2234
CAT	EC-1
Cummins	CES 14603
Chrysler	MS12106
Ford	WSS-M97B44-D1/ WSS-M97B51-A
GM	1825M /1899M /6277M
Komatsu	AFNAC
MAN	324 NF
Mercedes	MB 325.3/326.3
MTU	MTL 5049
Volvo	
Scania	
Renault	Type D
VW/Audi	TL-774 F
Nissan	NES 5059 LLC
Peugeot	B71 5110

### Health & Safety

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

#### Protect the Environment

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

#### Extended Shelf Life

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

### Typical Physical & Chemical Characteristics

Reco-Cool HD Expert EXTEND Concentrate Antifreeze/Coolant	Performance	Test Method
Appearance, visual colour	Blue/Green, Clear & Bright	Visual
Specific Gravity (15.6°C)	1.110-1.135	ASTM D 1122
Freeze Point (50% by vol)	-37°C	ASTM D 1177
pH (50% vol)	7.8-9.5	ASTM D 1287
Reserve Alkalinity (ml 0.1N HCL)	4.5 Min	ASTM D 1121
Glycol Content (wt. %)	94 Min	
Chloride (ppm)	25 Max	ASTM D 3634
Total Apparent Water (% w/w)	4.0 Max	

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