ENOC EN-COOL OAT EXTRA LONG-LIFE COOLANT

PRODUCT DESCRIPTION

ENOC EN-COOL OAT Extra Long-life is a premium long-life coolant that is based on advanced technology of organic acid inhibitors approved by numerous Original Equipment Manufacturers (OEMs) worldwide.

This coolant technology provides long-life corrosion protection for all engine metals, including aluminium and ferrous alloys and is recommended for use in cooling systems of liquid cooled automotive and industrial combustion engines. The corrosion inhibitors contained in EN-COOL OAT Extra Long-life have very low depletion rates, unlike traditional silicate-based technologies. During extensive fleet testing, the synergistic combination of organic compounds present in this coolant, have proven to provide protection for at least 650,000 km (ca. 8000 hours) in truck & bus application or 250,000 km (ca. 2000 hours) for passenger cars or 32000 hours (or 5 years) for stationary engines. Exempt from potentially harmful additives such as nitrites, amines and phosphates, the coolant will contribute to a safer environment. The 50% premix of EN COOL OAT Extra Long-life provides protection over wide operating temperature range for effective cooling in all climates.

APPLICATIONS

- All engines employing cast iron, aluminium, copper or combination of these metals used in modern engines. It is also compatible with all standard rubber hoses, gaskets and seals used within the cooling system.
- Heavy duty engines regardless of fuel type or environmental controls being used where the OEM recommends an extended life, salt free coolants
- Mixed fleets where both light duty and heavy-duty trucks are present
- Stationary engine applications regardless of fuel type being used
- Marine cooling systems where freeze protection is needed
- Modern passenger car engines fitted with turbochargers, supercharged, GDI & other high output engines

PERFORMANCE SPECIFICATIONS

EN-COOL OAT Extra Long-life meets the performance requirements of the following International specifications:

OEM	Specifications
Caterpillar	A4.05.09.01
Cummins	IS Series u N14
Detroit Diesel	Series 50 & 60 engines
Deutz	0199-99-1115/6
Deutz/MWM	0199-99-2091/8
Case New Holland	MAT3624
Daimler	325.3

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Ford	WSS-M97B44-D
General Motors	Chevrolet
Hyundai/Kia	Suitable for use
Liebherr	MDI-36-130
Mazda	MEZ MN 121 D
MTU	MTL 5048
DAF	74002
Porsche	Suitable for use
Janbacher	TA 1000-0204
Komatsu	07.892 (2009)
MAN	324 Type SNF
Land-Rover	WSS-M97B44-D
Volvo	Whole group
VW	VW/Audi TL-774 D= G12
Wartsila	DLP799861
ASTM	D3306/D4656
British Standards	BS 6580-2010
Korean Standards	KSM 2142

BENEFITS

EN-COOL OAT Extra Long-life provides:

- Excellent engine cooling and protection against corrosion in various engines.
- Excellent protection against cavitation and effective water pump lubrication, reducing wear & noise
- Improved heat transfer properties due to excellent protection to radiators from blockages
- Stays effective over extended periods heavy duty diesel engines.
- The technology meets the requirements of clear majority of OEM specifications internationally truly making this ideal for mixed fleet operations

Note First Time Fill: It is strongly recommended that the system is thoroughly flushed before filling with **EN-COOL OAT Extra Long-life** to gain maximum performance.

Technical Data*	
EN-COOL OAT Extra Long-life	**50**
Reserve Alkalinity, ASTM D1121	6
Amine, Phosphate, borate, silicate, nitrite	NIL
Density at 20 °C ASTM D 4052 g/ml	1.113
pH value (33%) ASTM D1287	8.4
Freezing Protection (50%), °C ASTM D1177	-37
Foam, break time (ASTM D1881)	<5
Flash point, COC °C	>120
Colour	Orange colour with fluorescence
Product Code	223035

*The information prepared provides the typical properties that are considered as representative. Some variation which will not affect performance is possible

HEALTH AND SAFETY, ENVIRONMENT
The information on this product is available in the ENOC Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. For further information, we recommend you review the MSDS. Handled correctly there are no special precautions suggested.

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