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Product Technical Specification

Antifreeze LL

Ethylene glycol based OAT antifreeze

Product Description:

Antifreeze LL is an ethylene glycol based engine coolant concentrate, which uses Organic Acid Inhibitor Technology and is free from nitrites, amines, phosphates, borates and silicates. It is BTC Classification Type 4E.

Fleet trials have shown that when used at the correct concentration coolants based on Organic Acid Inhibitor Technology continue to provide effective corrosion protection for up to 250,000 km for passenger cars and 500,000 km in commercial vehicles. It is recommended that the coolant is replaced when the above mileages have been reached or after 5 years. Antifreeze LL provides excellent protection to engine cooling systems, whether they are predominantly of ferrous or aluminium construction.

Unlike traditional coolants which employ inorganic inhibitors, Antifreeze LL has excellent hard water stability and very low inhibitor depletion rates.

Applications:

Antifreeze LL is suitable for all year round usage in automotive and commercial petrol and diesel engines and certain industrial applications.

Recommended Dilutions:

Concentration (by volume)	25%	33%	40%	50%	60%
Specific Gravity @ 20°C	1.030	1.045	1.060	1.074	1.087
Freeze Protection (°C) *	- 12	- 22	- 27	- 40	- 56

*Average of freezing point and pour point.

Availability:

This product is available in:
200 Liters, 4 Liters, 1 Liters.

Product Specification:

- Antifreeze LL meets the requirements of the following European & international standards:

ASTM	D 3306, D 4985
SAE	J 1034
BS	6580: 2010
AFNOR	NF R15-601*
FFV	Heft R443
CUNA	NC 956-16
UNE	26361 - 88
JIS	K 2234 *
NATO	S 759

** With the exception of reserve alkalinity.*

- Antifreeze LL meets the requirements of the following OEM specifications:

Chrysler	MS 9176
Cummins	85T8-2 & 90T8-4
John Deere	H24 B1 & C1
Leyland Trucks	LTS 22 AF 10
Mack	014GS 17004
MAN	248,324 (SNF) & B&W D36 5600
Mercedes	MB 325.3
Renault	41-01-001
VAG	TL 774F
Volvo	VCS coolant
GM	1899 M, US 6277 M & OPEL GM QL130100
Ford	ESE M97B49-A, WSS-M97B44-D & ESD M97B49-A

Health & Safety:

Please refer to the relevant health and safety data sheet, a copy of which is freely available to all of our customers.

Issued by: TAPPCO - Technical Department - August 2016
Approved by: EXOL U.K - Technical Department.

Due to continual product research and development, the information contained herein is subject to changes without notification.