Product Information

ENEOS Hyper Cool XLR

Organic Antifreeze Coolant

High Performance Long-Life Protection

ENEOS Hyper Cool XLR is high performance Long life antifreeze coolant, with exceptional heat transfer capability; suitable for use as a coolant and heat transfer fluid in all combustion engines. Extensively fleet tested for over 100,000,000 km with both heavy duty and automotive vehicles. Based on ethylene glycol, it guarantees protection against boiling and freezing of up to -69°C. Furthermore, the reliance on superior Organic Acid Technology (OAT) means long life through non-depleting corrosion inhibitor and a maintenance-free protection. It is approved for leading engine manufacturers including Ford, Mercedes-Benz, General Motors, MAN and Volkswagen.

FEATURES & BENEFITS

- **Extended Life**

  Provides long-life corrosion protection for all engine metals. First of 5 years or 650,000Km in truck & bus, and 250,000Km in passenger cars.
- **Frost & Boiling protection**

  Offers winter protection against engine freeze damage. Control of overheating, coolant loss and breakdown at high engine temperatures.
- **Suitable for mixed fleets**

  One coolant for automotive & heavy duty.
- **Miscibility**

  Mixes with existing ethylene glycol coolants.

APPLICATION

- Passenger car gasoline, LPG and diesel engines
- Light-duty commercial vehicle gasoline and diesel engines
- Heavy-duty diesel engines fitted with wet or dry liners, in on and off-highway service
- Motorbike, Power equipment & Outboard engines

TYPICAL MIXING RATIO

This concentrate provides year-round frost & corrosion protection. It is recommended to use atleast 33 vol. % of this concentrate in the coolant solution, providing frost protection to -20°C. Concentrations higher than 70 vol. % are not recommended as the maximum frost protection is reached. The maximum protection (about -69 °C) is obtained at 68 vol.%.

Vol % in water	33	40	50	60	68
Freezing Protection °C	-20	-27	-40	-54	-69

PACK SIZES

1L, 5L, 60L & 200L

TYPICAL PROPERTIES

Parameters	Concentrate	50% Pre-mixed	40% Pre-mixed
Appearance	Red		
Density @ 20°C	1.1		
Freezing Protection		-40 °C	-27 °C
pH	8.6	8.6	8.4
Boiling Point	180 °C	108 °C	
Reserve Alkalinity mL PH 5.5	6.2	3.0	2.4

Note: The typical properties may be changed without notice. (September2014)

STORAGE

The product should be stored above -20°C and preferably at ambient temperatures. Periods of exposure to temperatures above 35°C should be minimized. Further, it is strongly advised not to expose the coolant in translucent packages to direct sunlight because this can degrade the colour dyes present in the coolant, and result in fading of the colour or discoloration over time. This reaction can be accelerated if coupled with high ambient temperatures. It is therefore advisable to store coolant filled in translucent packages indoors to avoid this issue.

THE RECOMMENDATIONS OR SUGGESTIONS MADE IN THIS SHEET ARE MADE WITHOUT GUARANTEE OR REPRESENTATION AS TO RESULTS. THE CONTENT OF THIS SHEET IS CORRECT TO THE BEST OF OUR KNOWLEGDE. WE ADVISE THE READER TO CAREFULLY EVALUATE THE PRODUCT CHOICE FOR CRITICAL APPLICATIONS TOGETHER WITH THE SUPPLIER. WE DO NOT ACCEPT RESPONSIBILITY FOR DAMAGE AS A CONSEQUENCE OF

PERFORMANCE LEVELS

OEM Group	OEM	Specification
ADE	ADE	
Aston Martin	Aston Martin	
Behr	Behr	
Caterpillar	MAK	A4.05.09.01
Claas	Claas	
Cummins	Cummins	IS series u N14
Daimler	Mercedes-Benz	325.3
Detroit Diesel	Detroit Diesel	Power Cool Plus
Deutz	Deutz	0199-99-1115/6
Deutz/MWM	Deutz-MWM	0199-99-2091/8
Fiat	Case New Holland	MAT3624
Ford	Ford	WSS-M97B44-D
General Motors	Chevrolet	
General Motors	Opel – GM	GMW 3420
General Motors	Saab	GM 6277M (+B040 1065)
General Motors	Saturn	
General Motors	Vauxhall	GME L1301, GM 6277M (+B040 1065)
Hitachi	Hitachi	
Hyundai	Hyundai	
Isuzu	Isuzu	
Jenbacher	Jenbacher	TA 1000-0201
John Deere	John Deere	JDM H5
Irisbus	Karosa	
Kobelco	Kobelco	
Komatsu	Komatsu	07.892 (2009)
Liebherr	Liebherr	MD1-36-130
MAN	MAN	324 Typ SNF
MAN	MAN B&W AG	D36 5600
MAN	MAN B&W A/S	
MAN	Semt Pielstick	
Mazda	Mazda	MEZ MN 121 D
MG-Motors	Rover	
Mitsubishi Heavy Industry	Mitsubishi MHI	
MTU	MTU	MTL 5048
Paccar	DAF	74002
Paccar	Leyland Trucks	DW03245403
Renault	Renault RNUR	41-01-001/- -S Type D
Suzuki	Santana Motors	
Tata Motors	Jaguar	CMR 8229, WSS-M97B44-D
Tata Motors	Land-Rover	
Tata Motors	Land-Rover	WSS-M97B44-D
Thermo King	Thermo King	
ulstein Bergen	ulstein Bergen	2.13.01

Volvo AB	Mack	014 GS 17009
Volvo AB	Volvo Penta	128 6083 / 002
Volvo AB	Renault Trucks	41-01-001/- -S Type D
Volvo AB	Volvo Construction	128 6083 / 002
Volvo AB	Volvo Trucks	128 6083 / 002
VW	Audi	TL-774 D = G 12, TL-774 F = G 12+
VW	Seat	TL-774 D = G 12, TL-774 F = G 12+
VW	Skoda	TL-774 D = G 12, TL-774 F = G 12+
VW	Skoda	61-0-0257
VW	Volkswagen	TL-774 D = G 12, TL-774 F = G 12+
Wärtsilä	SACM Diesel	DLP799861
Wärtsilä	Wärtsilä	32-9011
Waukesha	Waukesha	
Yanmar	Yanmar	

STANDARDS & SPECIFICATIONS

BRB		BR 637
ASTM Standards		ASTM D3306, ASTM D4656, ASTM D4985
British Standards		BS 6580
French Standards		NFR 15-601
FVV Standards	Germany	FVV Heft R443
Japanese Standards		JASO M325
Korean Standards		KSM 2142
MIL Standards	MIL-Belgium	BT-PS-606 A
MIL Standards	MIL-France	DCSEA 615/C
MIL Standards	MIL-Italy	E/L-1415b
MIL Standards	MIL-Sweden	FSD 8704
NATO Standards		NATO S-759
Önorm		Önorm V5123
SAE Standards		SAE J1034
UNE Standards		uNE 26-361-88/1

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