



your local global brand

Gulf Antifreeze XLL

Antifreeze Concentrated Fluid

Product Description:

Gulf Antifreeze XLL is a silicate & phosphate-free antifreeze, based on mono-ethylene glycol under addition of special additives. **Gulf Antifreeze XLL** is developed partly due to the demand of a full organic antifreeze, which lasts the entire life-time of the engine. Before use, **Gulf Antifreeze XLL** needs to be diluted in the recommended proportions.

Gulf Antifreeze XLL has powerful organic corrosion inhibitors resulting in an extended life-time and gives strong protection: up to 650.000 km (ca. 8000 hours) for busses and trucks or 250.000 km (ca. 2000 hours) for passenger vehicles and up to 32.000 hours for stationary engines. **Gulf Antifreeze XLL** has a high boiling point, which decreases the risk of overheating of the antifreeze and is completely compatible with elastomers used by European constructors. **Gulf Antifreeze XLL** has excellent stability with hard water, because this antifreeze doesn't contain silicates nor other mineral salts. Also, **Gulf Antifreeze XLL** prevents the formation of deposits and scale and is mixable with other antifreezes based on mono-ethylene glycol.

Before use, **Gulf Antifreeze XLL** needs be diluted in the recommended proportions with water, use at least 33% **Gulf Antifreeze XLL** and 67% of soft water. Always refer to the OEM's manual for recommended coolant type!

Gulf Antifreeze XLL may be used with confidence in engines manufactured from cast iron, aluminium or combinations of the two metals, and in cooling systems made of aluminium or copper alloys and is particularly recommended for hi-tech engines, where high temperature aluminium protection is important.

Warning: Keep all antifreezes out of reach of children !!! Do not drink antifreeze !!!

If swallowed, induce vomiting and immediately call a doctor !!!

Meets the specifications of:

ASTM D3306, ASTM D4985, ASTM D5345; ASTM D1384, MB 325.3, Ford WSS-M97B44-D, GM-Chevrolet/Saturn GM-Opel/Saab/Vauxhall GM 6277M-B040 1065, Hitachi, Isuzu, Jenbacher, John Deere JDMH5, Komatsu 07.892(2007), Liebherr MD1-36-130, MAN 324 Type SNF, Mazda MEZ MN 121 D, MAN B&W A/S MAN B&W AG D36 5600, MG-Rover, MTU MTL 5048, DAF 74001, Leyland Trucks DW03245403 Renault-Nissan RNUR 41-01-001/-S Type D, Suzuki, Jaguar-Ford WSS-M97B44-D, Mack 014 GS 17009 Volvo Construction/Trucks 128 6083/002, Wärtsilä 32-9011, Wärtsilä New Sulzer Diesel TR 1508-10/94 Wärtsilä SACM Diesel DLP799861, Waukesha, Yanmar, VW TL-774D/F (G12+)

<u>Properties:</u>	<u>Test Methods:</u>	<u>Typical Values:</u>
Density @ 15°C	ASTM D4052	1116 kg/m ³
Freezing Point @ 33% antifreeze & 67% water	ASTM D1177	-18°C
Freezing Point @ 40% antifreeze & 60% water	ASTM D1177	-24°C
Freezing Point @ 50% antifreeze & 50% water	ASTM D1177	-37°C
Colour	Visual	Orange
pH @ 50% dilution	ASTM D1287	8.6
Equilibrium Boiling Point	ASTM D1120	180°C
Refractive Index @ 20°C	ASTM D1218	1.430

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