



TECHNICAL DATA

GB LONG-LIFE ANTIFREEZE

APPLICATIONS

GB LONG-LIFE ANTIFREEZE is an ethylene glycol based engine coolant concentrate, which uses Organic Acid Inhibitor Technology and is free from nitrites, amines, phosphates, borates, molybdate and silicates. GB LONG-LIFE ANTIFREEZE protects engines from frost damage, as well as providing outstanding protection against rust and corrosion for all parts of the cooling system. Unlike traditional coolants, which utilise inorganic inhibitors, it has excellent hard water stability and very low inhibitor depletion rates.

PERFORMANCE FEATURES

GB LONG-LIFE ANTIFREEZE, when used at the correct concentration, can continue to provide effective corrosion protection for up to 250,000 km for passenger cars and 500,000 km in commercial vehicles. It is, however, recommended that the coolant is replaced when the above mileages have been reached, or after 5 years, whichever is sooner.

PERFORMANCE DETAILS

GB LONG-LIFE ANTIFREEZE meets the performance requirements of the following International Standards and OEM specifications:

ASTM D3306	Chrysler MS 9176
ASTM D4985	Cummins CES 14603
SAE J 1034	Ford ESE M97B49-A, WSS-M97B44-D & ESD M97 B49-A
BS 6580 (2010)	GM 1899 M, US 6277 M & OPEL GM QL130100
AFNOR NF R15-601*	John Deere H 24 B1 & C1
FFV Heft R443	Leyland Trucks LTS 22 AF 10
CUNA NC 956-16	Mack 014GS 17004
UNE 26361 – 88	MAN 248, 324 (SNF) & B&W D 36 5600
JIS K 2234*	Mercedes MB 325.3
NATO S 759	Renault 41-01-001-D
(*with the exception of reserve alkalinity)	VAG TL 774D/F
	VOLVO Coolant VCS Standard 418-0001
	Scania TB 1451
	DAF 74002

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Integrated Management System
PAS 99 IMR 560337
ISO 9001
ISO 14001
OHSAS 18001

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GB LONG-LIFE ANTIFREEZE

DILUTION

	Concentration by Volume %				
	25	33	40	50	60
Specific Gravity 20/4°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

COMPATIBILITY

Although compatible with other ethylene glycol based coolants, mixing can significantly reduce the working life of GB LONG-LIFE ANTIFREEZE. Therefore, it is recommended that the cooling system, previously filled with another coolant, is drained and flushed with clean water, before filling with GB LONG-LIFE ANTIFREEZE, diluted in accordance with the vehicle manufacturer's instructions.

CHARACTERISTICS

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS
Colour	-	-	Clear Red-Orange
Density at 15°C	Kg/m ³	IP 160	1119
pH (50% vol)	-	ASTM D1287	8.2

STORAGE AND HANDLING

GB LONG-LIFE ANTIFREEZE should be stored under cover to avoid water collecting in the rim of upturned barrels.

HEALTH, SAFETY AND THE ENVIRONMENT

Further information on GB LONG-LIFE ANTIFREEZE can be obtained by referring to the corresponding Safety Data Sheet.

For guidance on storage and handling of all lubricants and related products, GB Lubricants recommend the Environment Agency, www.environment-agency.gov.uk, as an excellent source of advice.

If you have any queries, please do not hesitate to contact either your local Technical Sales Representative or our Technical Department.

The Company policy is to ensure that a range of products is supplied which complies with the latest specifications and codes within the relevant industry. As part of this development process, we therefore reserve the right to amend formulations and specifications, without prior notice.