

# RED LONG LIFE ANTIFREEZE



## PRODUCT DESCRIPTION

Red 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 and silicates. BTC Classification Type 4E. Fleet trials have shown that when used at the correct concentration coolants based on Organic Acid Inhibitor Technology continues to provide effective corrosion protection for up to 250,000 km for passenger cars and 500,000km in commercial vehicles. It is recommended that the coolant is replaced when the above mileages have been reached or after 5 years which ever is the sooner. Unlike traditional coolants which employ inorganic inhibitors, Red Long Antifreeze has excellent hard water stability and very low inhibitor depletion rates.

## PERFORMANCE STANDARDS

Prime Red Long Life Antifreeze exceeds the requirements of most European and International Standards including:

ASTM D3306

ASTM 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) It also meets the performance requirements of the following OEM specifications: Chrysler MS 9176

Cummins CES 14603

Ford ESE M97B49-A, WSS-M97B44-D & ESD M97 B49-A GM 1899 M, US 6277 M & OPEL GM QL130100

John Deere H 24 B1 & C1

Leyland Trucks LTS 22 AF 10

Mack 014GS 17004

MAN 248, 324 (SNF) & B&W D 36 5600

Mercedes MB 325.3

Renault 41-01-001 - D

VAG TL 774 D/F

VOLVO VCS

## PHYSICAL PROPERTIES

Parameter	Method	Red Long Life	ASTM D3306
Appearance	Visual	Clear red – orange liquid free from suspended matter	Not Specified
Specific Gravity 15/15°C	ASTM D 4052	1.12	1.110 – 1.145
Equilibrium Reflux			
Boiling Point °C	ASTM D 1120	174	163 min
Freezing Point °C			
(50% Dilution by vol.)	ASTM D 1177	-40	-37 max
Freezing Point °C			
(33% Dilution by vol.)	ASTM D 1177	-20	
pH (50% vol.)	ASTM D1287	8.0	7.5 – 11.0
Reserve Alkalinity			
0.1N HCl	ASTM D1121	7.5	Report
Water Content	ASTM D 1123	3.0	5 max
Foaming	Vol. (ml) ASTM D1881	45	150 max
Properties	Break (s) ASTM D1881	2	5 max

## PACK SIZES

Red Long Life Antifreeze is packed in the following sizes:-

1 Litre, 5 Litre, 20 Litre, 25 Litre, 205 Litre, 208 Litre, 1000 Litre IBC,