



# Peak Lubricants

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## PRODUCT NAME

### LONG LIFE ANTI FREEZE COOLANT

## DESCRIPTION & APPLICATIONS

Long Life Anti-Freeze Coolant is a superior quality concentrated anti freeze, anti boil and corrosion inhibitor. It contains approximately 950 ml/litre (95%) of ethylene glycol, and a virtually non-depleting silicate and phosphate free Organic Acid Technology (OAT) corrosion inhibitor that will provide protection of all engine metals including aluminium and ferrous alloys for up to 5 years. Long Life Anti-Freeze Coolant should be diluted at between 33% (1 part coolant : 2 parts water) to 50% (1 part coolant : 1 part water) with high quality soft, demineralised, de-ionised or distilled water. It is suitable to be used for anti-freeze, anti-boil and corrosion protection in any combustion engine whether petrol, gas or diesel fuelled in passenger, heavy commercial, agricultural, earthmoving, mining or stationary applications.

## FEATURES & BENEFITS

Long Life Anti-Freeze Coolant will provide protection for up to 650,000 kilometres (8,000 hours) in diesel trucks, buses agricultural and earthmoving applications; 250,000 kilometres for passenger cars; and 32,000 hours for stationary engine applications; or a maximum of 5 years. It makes an excellent choice for use in mixed fleets as a one coolant suits all equipment due to its universal formulation. Long Life Anti-Freeze Coolant offers excellent cavitation protection even without using nitrite or nitrite-based supplemental coolant additives (SCA's) or chemical water filters. If top-ups are made using the correct mix rate of coolant and water the product is virtually maintenance free. Modern engines manufactured using cast iron, aluminium or combinations of the two metals, and cooling systems made of aluminium or copper alloys are completely protected from erosion and corrosion.

The ethylene glycol in Long Life Anti-Freeze Coolant provides higher boiling and lower freezing protection as follows:

33% Coolant by volume	Boiling Point: 124° C	Freezing Point: -19° C
50% Coolant by volume	Boiling Point: 130° C	Freezing Point: -34° C

## SPEC'S & APPROVALS

Long Life Anti-Freeze Coolant meets or exceeds the performance requirements of the following antifreeze/coolant specifications. A complete list of approvals from OEM's is available separately.

- |                                 |                            |
|---------------------------------|----------------------------|
| • AS/NZS 2108.1:1997 Type A     | • ASTM D-3306              |
| • ASTM D-4985                   | • GM 1825                  |
| • GM 6277M                      | • Mercedes Benz 325.3      |
| • Detroit Diesel Powercool Plus | • New Holland WSS-M97B44-D |
| • Ford WSS-M97B44-D             | • Isuzu                    |
| • John Deere GDMH24, JDM H5     | • MAN                      |
| • Mazda MEZ 121C, TI 13/82      | • Scania                   |
| • Toyota TSK 26016              | • Volvo 128 6083/002       |



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## SPEC'S & APPROVALS continued

- ASTM D-1384 (Glassware Corrosion Test)
- ASTM D-2809 (Aluminium Water Pump Cavitation/Erosion Corrosion Test)
- ASTM D-4340 (Heat Rejection Aluminium Corrosion Test)
- ASTM D-2570 (Simulated Service Corrosion Test)

## HEALTH / SAFETY & ENVIRONMENT

Health, safety and environmental information is provided on the Material Safety Data Sheet for this product. Users should consult the MSDS, follow the precautions outlined and comply with all laws and regulations concerning its use and disposal.

## TYPICAL CHARACTERISTICS

TEST	PERFORMANCE	TEST METHOD
Colour	Green or Orange	
Specific Gravity (15°C)	1.116 typical	ASTM D-1122
Equilibrium Boiling Point	180°C typical	ASTM D-1120
Reserve Alkalinity (pH 5.5)	6.2 typical	ASTM D-1121
pH, 20°C	8.6 typical	ASTM D-1287
Refractive Index, 20°C	1.430 typical	ASTM D1218
Foaming Properties 25°C	50ml typical	ASTM D-1881
	5 second break typical	
Foaming Properties 88°C	50ml typical	ASTM D-1881
	5 second break typical	
Freeze Point (50% volume)	-34°C	ASTM D-1177
Ash Content (weight %)	1.1% w/w typical	ASTM D-1119
Ethylene Glycol	95.0 w/w typical	
Water	5% w/w max.	ASTM D-1123

A more detailed version of this product bulletin containing ASTM test results is available upon request.

Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications, and do not constitute any legal liability. Information is correct at time of printing.