

COOLANT 33 LONG-LIFE

Coolant 33 is a ready to use premixed Antifreeze Antiboil coolant that contains 348 gm/L Ethylene Glycol, incorporating an advanced formula technology with virtually non-depleting organic acid corrosion inhibitors. It is silicate free and recommended as coolant for use in aluminium alloy petrol powered automotive engines, heavy duty diesel and natural gas, mobile and stationary engines.

With the combination of organic carboxylate inhibitors gives excellent protection against cast iron cylinder liner and block pitting and cavitation, corrosion/erosion.

It lasts up to 3 times longer than conventional coolants, and reduces coolant cost up to 60%.

Meets or exceeds the performance requirements of the following engine coolant specifications.

AS2 2108.1:2004 Type A
 ASTM D 3306
 ASTM D 4985
 SAE J1034
 BS 6580
 BMW (UK)
 Ford ESE-M97B44-A (Automotive)
 Ford ESE-FM 97B18-C (Diesel & Tractor Engines)
 General Motors GM 1899M, 1825M
 General Motors Holden HN 2217, HN 2043
 JIS K2234
 Mazda MES MN 121A, 121C-FA04
 Nissan NES 5059LLC
 Saab FSD 8704
 Volvo (UK)

ADVANTAGES

- Recommended for passenger car & light duty commercial vehicles for 5 years or 200,000kms, whichever comes first.
- Silicate free promoting optimum operating life and reliability of water pumps.

- Maximises protection of all metals commonly found in the engine cooling systems.
- Excellent protection from cavitation, liner pitting, rust, scale and deposit formation.
- Keeps engines at optimum operating temperatures contributing to improved fuel economy.
- Formulated, tested and manufactured in Australia for Australian conditions.

It is the responsibility of the end user to use this product in accordance with Engine Manufacturer recommendations.

Coolant 33 Long-Life Physical and Chemical Properties

Test	Test Method	Performance
Colour		Flourescent Green
pH (33% in distilled water)	ASTM D 1287	8.3 – 9.0
Reserve Alkalinity, ml (ph5.5)	ASTM D 1121	1.1
Specific Gravity (20°C)	ASTM D 1122	1.046
Boiling Point	ASTM D 1120	Max 130°C
Freeze Point (33% v/v)	ASTM D 1177	-18°C
Foaming Properties - Volume (ml)	ASTM D 1881	50 max.
Foaming Properties - Break time (sec.) (5 min boiling)	ASTM D 1881	5 max.
Flash Point	ASTM D 92	115°C
Ash Content (% wt)	ASTM D 1119	0.3
Total Glycol Content (% vol)		Min 31.13%
Bittering Agent – ppm		3 ppm
Chloride – ppm		< 10 ppm
Corrosion	ASTM D 3306	Passes Tests
Odour		Slight
Effect on Paint & Organic Materials		None
Amines/Borates/Nitrates/Phosphates/Silicates		None

Package Sizes

1000 litre
200 litre
5 litre