

## Long-Life Coolant

*Advanced Formula, Universal Long-Life AFAB Concentrate*

**Long-Life Coolant** is a universal ethylene glycol based antifreeze coolant concentrate (contains 1060g/litre ethylene glycol) incorporating an advanced formula technology with virtually non-depleting organic acid corrosion inhibitors. The product is dyed a red colour for ready identification.

### Summary of Benefits

- **Long-Life Coolant** is silicate free for improved pump life and contains no environmentally harmful nitrates, borates, phosphates, amines or nitrites.
- **Long-Life Coolant** is compatible with conventional coolants and can be used for top-up of conventional coolants. If the product is to be mixed with some heavy duty diesel coolants the user must continue to add SCA's for heavy-duty service until the next coolant change-out.
- Recommended as coolant for use in both aluminium alloy petrol powered automotive engines and in heavy duty diesel and natural gas mobile and stationary engines.
- Provided the correct dosage of **Long-Life Coolant** is maintained, flush and change passenger car/light duty commercial vehicle cooling system contents every 5 years or 250,000kms. For heavy-duty engines, **Long-Life Coolant** more than doubles the life of conventional coolants to 500,000km or 6,000 hours or 5 years at the same time providing excellent protection against cylinder liner cavitation corrosion-erosion.
- **Long-Life Coolant** can be used in most OEM diesel, petrol and natural gas engines allowing one coolant to be inventoried. The product lasts up to 3 times as long as conventional coolants.
- Reduces engine coolant cost up to 60% over conventional coolants.
- Service life up to 12,000 hours for machines/commercial engines or 6 years whichever comes first, when topped up with a once only coolant extender at the end of its initial service life.
- For automotive engines, drain at 250,000kms or 5 years whichever comes first.
- Hard water deposits and scale from silicate drop out etc. in the cooling system are practically eliminated.
- The low level of total dissolved solids improves water pump seal life and prevents gel formation.
- Excellent heat transfer and superior aluminium protection at high operating temperatures.
- The combination of organic carboxylate inhibitors offers excellent protection against cast iron cylinder liner and block pitting and cavitation corrosion-erosion.
- **Long-Life Coolant** is recommended for all heavy duty engines manufactured by Cummins, Caterpillar, Detroit Diesel, Mack-RVI, Mercedes Benz, Scania, MTU, Komatsu and other OEM's.

## Long-Life Coolant

### Specifications:

**Long Life Coolant** is recommended where the following performance levels are cited:

ASTM D3306 (and D4656) Motors GM 1899M	MAN 324 (Diesel Engines)	JIS K2234 (Japan) LLC	General
ASTM D4985 (and D5345) WSS-M97B44-C	VOLVO	JASO M325 (Japan) LLC	Ford
ASTM D6210 TL774D	Scania (Tech Info. TI 02-98)	Afnor R15-601	Volkswagen VW
BS 6580 (British Standard)	Mercedes-Benz Sheet 325.3	Önorm V5123	
UNE 26-361-88/1 FVV Heft R443 (Germany) N600 69.0	Audi/SEAT/Skoda Mack-RVI	ISUZU	
NATO S-757 BT-PS-606A (MIL-Belgium) Standard)TypeA	Cummins 90 T8-4 DAF-Leyland 74001	DCEA 615 (MIL-France)	BMW
E/L-1415b (MIL-Italy) SAE J1034 TS K2601 G	Komatsu General Motors GM 6277M	SAAB AS/NZS 2108.1:1997(Aus)	
Honda	Daihatsu	Navistar	Mazda MES 121C Mitsubishi ES-X64216 Toyota

### Dilution Ratio

With 103 kPa Radiator Pressure Cap

RPL Coolant %	Water %	Freeze Protection °C	Boil Protection °C
40	60	-22	127
50	50	-37	129
66	34	-64	132

Dilution Ratio: Refer to the OEM for the recommended coolant/water ratio.

## Long-Life Coolant

**Product Code:** 7092

**Product Size:** 1L, 5L, 20L, 205L

### Typical Characteristics:

Colour	Red
pH 33% solution	8.3
Ethylene Glycol content, wt%, typ	93.0
Reserve Alkalinity, ml (pH 5.5)	5
Density, g/ml, 20°C	1.113
Boiling Point, °C	172
Freezing Point, °C Max. (50 vol% solution)	<-37

*\*Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute a legal liability.*

### Storage:

*All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C.*

### Health, Safety and Environment

*A Material Safety Data Sheet (MSDS) is available for each product. Users should consult the MSDS, and follow the precautions outlined and comply with all laws and regulations concerning its use and disposal. Used packaging material should not be incinerated or exposed to flame. After use, protect your environment. Do not pollute drains, soil or water with used product.*

*The Materials Safety Data Sheet is available at Royal Precision Lubricants by email:  
[info@royallubricants.com.au](mailto:info@royallubricants.com.au).*