

Product Data Sheet

Longlife Coolant Range *Hybrid Acid Concentrate (HOAT)*

Longlife coolant is a heavy-duty hybrid anti-boil / anti-freeze coolant utilising nitrite chemistry. Longlife coolant uses an advanced combination of organic technology corrosion inhibitors that contain no silicates, borates, phosphates or amines combined with conventional technology ingredients included for suitability in a range of vehicles. Longlife coolants contain nitrite, nitrate and molybdate. This coolant uses nitrite base technology and is suitable for typical concentration measuring techniques.

Longlife coolant contains mono-ethylene glycol and a heavy-duty inhibitor package ensuring ultimate corrosion protection and extended service life when compared with conventional coolants. Using a substantially higher rust and corrosion protection package over typical formulations, Longlife coolant offers year-round protection and peace of mind over conventional formulations. Longlife coolant provides maximum protection against 'hot spot' corrosion, common in aluminium cylinder heads, diesel engine wet sleeve liner pitting and eliminates hard water scale deposits. It is also safe on all hoses, silicon seals and gaskets. Longlife coolant is also suitable where SCA filters are recommended or required.

Longlife coolant has a service life of up to 6 years / 800,000kms or 6,000*hrs in light duty diesels. The service intervals are 1 year or 4,000 hours. There are obvious environmental advantages as a result of fewer coolant changes. They are suitable for use in marine engines, earthmoving, mining, heavy duty transport and trucking fleet operations. (*at 50/50 dilution ratio)



Summary of Benefits:

- Reduced coolant changes over an extended interval.
- Excellent hot and cold climate (year-round) thermal protection.
- Hot Spot corrosion protection
- Long service life of up to 6 years / 800,000 kilometres or 6,000hrs in light duty diesels
- Phosphate free can be used with hard water

Product Code: **6543 Concentrate (Yellow)** **6553 50/50 Premix (Yellow)**
 6552 50/50 Premix (Red)

Product Size: **20L, 200L**

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**THE INNOVATIVE
AUSTRALIAN**

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Specifications:

Passenger Vehicle

AS: 2108-2004 Type A
Audi G11 (TL 774-C)
BMW: N 600 69.0 (GS 94000)
Chrysler: MS-9769
Glysantin: G48
Holden: HN2043, HN2217
JIS: K2234 (Japan)
Lamborghini: G11 (TL 774-C)
MB: 325.0
Opel/Vauxhall: (up to 2000) B040 0240
Rolls Royce: (From 1998) GS 94000
SAE: J1034
VW: G11 (TL 774-C)

ASTM: D3306
Bentley: G11 (TL 774-C)
BS: 6580
Ford: M97-B44-A, M97-51-A1
GM: 1825M, 1899M
JASO: M325 (Japan)
KSM 2142 (Korea)
Leyland/Rover: BLS.22.AF.01
Mini BMW: GS 94000
Porsche: (Until 1995)
Saab: 690 1599
Seat/Skoda: G11 (TL 774-C)

Heavy Duty Diesel Engines

TMC RP-338 Extended Life
TMC RP-330
ASTM: D-3306, D-4985, D-6211, D-5216
CID - A - A - 52624
SAE: J 1034, J1941 and JASO M 324, JIS K 2234
Case New Holland
Cummins: CES MG03, 85T8-2
Detroit Diesel: Bulletin 7SE298 EMD M.I. 1748E
Deutz: DQC CA-14, AG 0199-99-1115
Ford: M97B44-A, ESE FM97B18-C
Freightliner: 48 - 22880
GM: 1899M and 1825M

Iveco
Jenbacher TA-Nr. 1000-021
John Deere: 8650-5
John Deere: JDM HD24
Liebherr: TVL 035, 23009 A
MAN: 324 NF, BW Liste 3.3.7
Mazda: MES MN 121D
Mercedes Benz: DBL 7700
MTU: MTL 5048
Nissan: NES M5509
Saab Scania: 6901
Waukesha 4-1974D
Volvo: (Spec No. 1286083)

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Typical Characteristics:

Appearance	Yellow
pH (50:50 Vol/Vol)	7.7 – 8.5
Density	1.12 (concentrate)
Freezing Point (50% by Vol)	-36.2 °C
Boiling Point (50% by Vol)	108.2 °C
Reserve Alkalinity (mL)	4.6
Glassware Corrosion Test (ASTM D-1384)	Pass
Aluminium Corrosion Test (ASTM D-4340)	Pass
Water Pump Cavitation Test (ASTM D-2809)	Pass
Foaming Tendencies Test (ASTM D-1881)	Pass
Cummins Anti-Scale Test (AES 14603)	Pass

Metal Type	Allowable Weight Loss	Typical Weight Loss
Copper	10mg / coupon	0.5
Solder	30mg / coupon	1.5
Brass	10mg / coupon	0.2
Steel	10mg / coupon	-0.7
Cast Iron	10mg / coupon	-0.5
Aluminium	30mg / coupon	6.3

*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 Safety Data Sheet (SDS) is available for each product. Users should consult the SDS, 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 Safety Data Sheet is available at Royal Precision Lubricants website: www.royallubricants.com.au or by emailing info@royallubricants.com.au

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