

OEM Plus

Hybrid Acid Concentrate and Premix Coolant (HOAT)

OEM Plus coolants are a heavy-duty diesel coolants range featuring commercial quality anti-boil / anti-freeze coolant technology using unique nitrate / nitrite chemistry. OEM Plus coolants are formulated with a combination of organic technology corrosion inhibitors with conventional heavy-duty chemical inhibitors common to U.S. technology for compliance with Cummins, Detroit and CAT equipment that contain low silicate, nitrite, nitrate and molybdate. OEM Plus coolants contain nitrite-based technology and are suitable for typical concentration measuring techniques.

OEM Plus coolants contain 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, OEM Plus coolants offer year-round protection and peace of mind over conventional formulations. OEM Plus Coolants provide maximum protection against 'hot spot' corrosion, common in aluminium cylinder heads, diesel engine wet sleeve liner pitting and eliminate hard water scale deposits. They are also safe on all hoses, silicon seals and gaskets. OEM Plus Coolants are also suitable where SCA filters are recommended or required.

OEM Plus coolants have a service life of up to 6 years / 800,000kms or 6,000*hrs in heavy duty diesels. The service intervals are 1 year / 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. (*at50/50 dilution ratio)



Product Code: 6531 Concentrate (Green) 6521 50/50 Premix (Green)
6532 Concentrate (Red) 6522 50/50 Premix (Red)

Product Sizes: 5L, 20L, 200L

6.01.22 V2

WWW.ROYALLUBRICANTS.COM.AU

Brisbane:

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...DRIVEN BY PERFECTION

Melbourne:

40 Kimberley Road, Dandenong South,
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**THE INNOVATIVE
AUSTRALIAN**

Product Data Sheet

OEM Plus

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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 4,000hrs in heavy duty diesels*
- *Phosphate free can be used with hard water.*

Specifications:

Heavy Duty Diesel Engines

- *ASTM: D-3306, D-4985, D-6210, D-5216*
- *Caterpillar: EC-1, ELC*
- *Case New Holland*
- *CID-A-A-52624*
- *Cummins: CES 14603*
- *Cummins: Bulletin 3666132*
- *Cummins: ES Compleat*
- *DBL 7700*
- *Detroit Diesel: Bulletin 7SE-298*
- *EMD: M.I. 1748E*
- *Ford: M97- B18-D, M97-B44-A, M97-B51-A*
- *Freightliner: 48 – 22880*
- *GM:1825M, 1899M*
- *Iveco: Cursor Engine*
- *John Deere: 8650-5*
- *John Deere: JDM HD24*
- *K 2234 (Japanese)*
- *Kenworth: R026-170-97*
- *Komatsu: KES 07.892*
- *KSM 2142 (Korea)*
- *Mack: 014 GS 17009*
- *MAN: 324*
- *Mercedes Benz*
- *MTU: MTL 5048*
- *Navistar B1 Type III*
- *PACCAR*
- *Perkins*
- *Saab Scania: 6901*
- *SAE: J 1034 and JASO: M 324*
- *TMC RP-330*
- *TMC RP-338 Extended Life,*
- *Waukesha 4-1974D*
- *Volvo: (Spec No. 1286083)*

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Typical Characteristics:

Appearance	Red
pH (50:50 Vol/Vol)	7.6 – 8.5
Density	1.12 (concentrate)
Freezing Point (50% by Vol)	-36.0 °C
Boiling Point (50% by Vol)	109.2 °C
Reserve Alkalinity (mL)	4.8
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 email: info@royallubricants.com.au

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