

Engen Supercool LL

Heavy Duty Long Life Ready to use High Performance OAT Coolant



Description

Engen Supercool LL is a ready to use High Performance coolant constructed on a 50:50 mix of Ethylene Glycol/corrosion inhibitor and deionized water. It is based on Organic Acid Technology (OAT) it provides excellent protection against corrosion, cavitation erosion, water pump wear as well as system fouling. It's very low depletion rate ensures effective long-term corrosion protection of aluminium, iron, steel, copper, solder alloys and other materials found in the cooling circuit. It provides excellent engine and cooling system protection for up to 6 years.

Engen Supercool LL is a phosphate-free, silicate-free, nitrite-free and borate-free ethylene glycol base coolant that is designed to provide exceptional wet sleeve liner cavitation. It provides freezing protection down to -37°C and meets the requirements of ASTM D 3306 and ASTM D 4985.

Benefits & Features

- Provides protection for up to 6 years.
- Suitable for all water-cooled diesel and petrol engines.
- Extended service life, resulting in reduced maintenance costs.
- Protects all cooling system metals.
- Protects against freezing down to -37 °C.
- Increases boiling point to above 110 °C.
- Ready to use.

Application

Engen Supercool LL is ready to use and no water must be added. It can be used in all Heavy-duty diesel engines fitted with "wet or dry" liners, in both on and off-highway service, light-duty commercial as well as passenger car diesel and petrol engines. Engen Supercool LL ensures efficient and long-lasting protection of the engine and cooling system for up to 6 years. It effectively prevents deposits and being pre-diluted there is no chance of under or overdosing. Although Engen Supercool LL is compatible with all other traditional anti-freeze coolants, it is strongly recommended that the system is thoroughly flushed with clean water before filling with Engen Supercool LL so as to gain the maximum benefits of this unique product. It is strongly recommended that the cooling system be drained completely and flushed with clean water before being filled with a fresh charge of Engen Supercool LL.

Warning: Harmful if swallowed. Keep out of the reach of children.

Performance Level

Meets or exceeds the following Industry Standards:

- | | |
|---------------|-----------------|
| • ASTM D 1384 | • ASTM D 6210 |
| • ASTM D 2570 | • BS 6580: 2010 |

Meets or Exceeds Approvals & Specifications:

- | | |
|---------------------|-------------------|
| • MB 326.3 (325.3) | • Hino |
| • MAN 324 SNF | • JCB |
| • MTU MTL 5048 | • Jenbacher |
| • Cummins CES 14603 | • JL Case |
| • CAT EC-1 | • Kamaz |
| • DDC 93K217 | • Komatsu |
| • Paccar | • Liebherr |
| • Volvo/Mack | • Mitsubishi/Fuso |
| • CNHi | • Waukesha |



Typical Physical Characteristics

ENGEN SUPERCOOL LL			
PARAMETERS	METHODS	UNITS	TYPICAL VALUES
Density @ 20°C	ASTM D1122	kg/l	1,067
Colour	Visual	-	Magenta
Freezing Point, min	ASTM D3321	°C	-37
pH	ASTM D1287	-	8.5
Reserve Alkalinity	ASTM D1121	mL	4.4

All technical data is provided for reference only. These characteristics are typical of current production. Whilst future production will conform to Engen's specification, variations in these characteristics may occur.

Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil, or water. For further detail regarding storage, safe handling, and disposal of product, please refers to Product SDS. Safety Data Sheets are available for all our products and should be only be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility shall be taken by either Engen or its subsidiaries and related holding corporation for any loss or injury or any direct, indirect, special, exemplary, consequential damages or any damages whatsoever, whether in action of contract, negligence or other tortuous action, in connection or resulting from abnormal use of the materials and/or information, from any failure to adhere to recommendations, or from hazards inherent in the nature of the materials and/or information. All products, services and information supplied are under our standard conditions of sale. Please consult with any of our local representatives in the event you require any further information.

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