



Premium Cool Plus 50

Ready To Use Heavy Duty Coolant

Description

Castrol Premium Cool Plus 50 is a READY-TO-USE ethylene glycol based engine coolant containing a balanced mixture of organic acid and inorganic corrosion inhibitors specially designed to service the requirements of a broad range of heavy duty diesel engines, particularly those with wet sleeve cylinder liners.

Castrol Premium Cool Plus 50 is a low silicate, phosphate and amine free formulation providing long service life and excellent corrosion protection for lead solder, aluminium, yellow metal and ferrous alloys. The inclusion of a number of corrosion inhibitors prevents corrosion occurring in the number of dissimilar metals found in modern engine cooling systems.

Castrol Premium Cool Plus 50 meets or exceeds major industry coolant standards and is suitable for use in the majority of U.S., European and Japanese origin heavy duty diesel engines.

Application

Castrol Premium Cool Plus 50 has been used successfully for many years in a range of U.S., European and Japanese origin turbocharged and naturally aspirated diesel engines. It is particularly recommended for wet liner engines, operating in both on-highway and off-road environments and arduous city stop-start driving conditions. It is Castrol's prime recommendation for all US heavy duty diesel engine cooling systems.

Conditions of Use

Castrol Premium Cool Plus 50 is a pre-mixed, READY-TO-USE coolant and should be added to cooling systems as a top up or when effecting a complete system change. DO NOT dilute further.

Castrol Premium Cool Plus 50, as supplied, contains sufficient inhibitors to enable it to be used as an initial fill fluid without the need for an initial charge of a Supplementary Coolant Additive (SCA).

Advantages

- Balanced hybrid formulation of organic acid and conventional inhibitors guarantees performance in a wide range of diesel engines
- Excellent corrosion protection and freeze protection down to -37 degC
- Controls cavitation corrosion of wet sleeve type cylinder liners
- Does not require an initial charge of Supplemental Coolant Additive (SCA), however SCAs may be added as part of a planned maintenance schedule. Compatible with most commercial SCAs.
- Compatible with all conventional hoses, gaskets, seals and plastics used in heavy duty engine cooling systems

Typical Characteristics

Name	Method	Units	Castrol Premium Cool Plus 50
Density @ 20C	ASTM D1298	g/ml	1.082
Appearance	Supplier	-	Clear & bright, green liquid
pH	ASTM D1293	-	7.8
Freezing Point	ASTM D1177	°C	-37
Boiling Point of Engine Coolants	ASTM D1120	°C	109
Water Content		vol %	50
Reserve Alkalinity	ASTM D1121	ml 0.1N HCl	11.0

The above data is typical and does not constitute a specification.

Product Performance Claims

ASTM D3306 (III), ASTM D6210
AS 2108-2004

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

Premium Cool Plus 50
10 Jan 2019

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, to the extent that it is permissible by law to exclude warranties and representations, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. Refer to the MSDS, available from our website for further information. No responsibility is taken by either Castrol Australia, BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol Australia Pty Limited - ABN 87 008 459 407 – 132 McCredie Road, Guildford NSW 2161, Australia
Technical Advice Line 1300 557 998 Customer Service 1300 554 890
www.castrol.com.au www.msds.castrol.com.au