Product Data

Castrol Radicool NF

Antifreeze coolant

Description

Castrol Radicool NF is an antifreeze concentrate formulated using monoethylene glycol and selected additives, free from nitrite, amine and phosphate inhibitors. It uses hybrid technology for the modern performance engines of cars and trucks.

This coolant should be used at concentrations of between 33% and 50% dilution with purified water to give optimum corrosion protection and freezing protection between -18°C and -36°C.

Application

Castrol Radicool NF has been developed to meet the growing demand from engine and vehicle manufacturers for a higher performance coolant that minimises environmental impact. It provides excellent protection against corrosion, and because it contains no phosphate, the problems of deposits in some modern performance engines are eliminated. In addition to providing excellent corrosion and low temperature protection, the use of the recommended level of antifreeze will significantly reduce the likelihood of wet cylinder liner pitting due to "cavitation erosion". Cavitation erosion is caused by the implosion of air bubbles present in the coolant, which are attracted to the liner outer surface. These bubbles implode, resulting in the removal of minute amounts of liner material, this, if allowed to continue unchecked, will result in liner porosity and severe engine damage.

- Protects for up to 3 years
- Excellent low temperature protection
- Provides excellent protection against corrosion
- Efficient lubrication of water pumps
- Compatible with conventional seal and hose materials used in engine cooling systems
- Contains bittering agent.
- Has many OEM approvals

In the majority of cases, coolants are not compatible and should not be mixed with other coolants unless directed by the equipment manufacturer. If using Castrol Radicool NF for the first time, ensure that the cooling system has been adequately flushed with clean water.

Typical Characteristics

Name	Method	Units	Castrol Radicool NF
Density @ 20C, Relative	IP 160	g/ml	1.122
Water	ASTM D1123	% w t	3.5 max
Boiling Point of Engine Coolants	ASTM D1120	°C	174
Reserve Alkalinity	ASTM D1121	ml 0.1N HCl	15
Appearance	Visual	-	Blue/green
pH, Engine Coolants / Antirusts	ASTM D1287	-	7.3

Product Performance Claims

ASTM D3306, ASTM D4985
BS - BS6580:2010
JASO JIS K2234
MAN 324 Typ NF
MB-Approval 325.0
DTFR 29C100
MTU MTL 5048
VW TL-774C (G11)
Deutz - DQC CA-14

Storage

Castrol Radicool NF shall be stored in air tight containers at a maximum tempertaure of 30°C. In warm climates containers should not be stored outside in direct sunlight. It can be stored in mild steel lacquer lined containers. Galvanised containers and handling equipment should not be used.

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