



Product Data

ProCool

Silicate Free Long-Life Antifreeze Concentrate

Description

BP ProCool is a long-life coolant concentrate based on monoethyleneglycol with advanced organic acid inhibitor technology. In contrast to traditional antifreeze coolants, BP ProCool does not contain amines, nitrites, phosphates, silicates or other inorganic inhibitors. BP ProCool provides excellent corrosion protection particularly engines employing light metals. It is suitable for a wide range of vehicles including cars, trucks and buses using both petrol and diesel engines. It is therefore particularly suitable for use in mixed fleets. BP ProCool works over a wide operating temperature range for efficient engine cooling in all climates.

Application

The special inhibitor package used in BP ProCool enables longer drain intervals of greater than 3 years with optimal protection against corrosion, cooling system blockage, overheating and freezing. Extended drain capability limits cost and potential harm to the environment.

It is especially suitable for use in engines employing cast iron, aluminium, copper or combination of these metals used in modern engine designs. It is compatible with all standard rubber hoses, gaskets and seals used within the cooling system.

BP ProCool provides excellent protection against cavitation corrosion and effective lubrication, increasing life of water pumps.

The additive technology used in BP ProCool provides increased stability and reduces the build up of calcium deposits from use of hard water. This reduces the possibility of radiator blocking and restricting flow of coolant. The heat transfer properties of this fluid are also improved allowing engines to run at optimum temperatures.

BP ProCool contains bittering agent to deter from accidental ingestion.

BP ProCool is approved against a number of OEM's specifications and also suitable for use against the following vehicle manufacturer specifications; Ford -WS-M97B44-D, General Motors GM6227M, Deutz, Cummins IS series and N14 engines, Jenbacher, Komatsu, Renault Type D, Jaguar CMR 8229 and MTU MTL 5048 Series 200C&I.

Conditions of Use

BP ProCool should be diluted between 33% and 50% concentration with deionised / distilled water. For optimal performance it is recommended that a 50% dilution in water is used. Concentrations higher than 70% volume are not recommended.

To maintain performance levels, BP ProCool should not be mixed with other coolants. When used for the first time it is recommended that the cooling system be drained and flushed before refilling with diluted BP ProCool.

BP ProCool has a 2 year shelf life when stored in its original container below 60°C and undercover protected from extremes of temperature.

Where outside storage is unavoidable, drums should be stored in a horizontal position to avoid the possibility of water ingress.

As with all coolant concentrates, the use of galvanised containers or components should be avoided.

Typical Characteristics

Name	Method	Units	BP ProCool
Boiling Point of Engine Coolants	ASTM D1120	°C	175
Density @ 20C	IP 160	g/ml	1.113
Foam, Tendency of Engine Coolants	ASTM D1881	ml	50 max
Foam, break time	ASTM D1881	seconds	5 max
Water	ASTM D1123	% wt	2.6
pH, Aqueous Solution (33%)	ASTM D1287	pH	8.0
Reserve Alkalinity	ASTM D1121	ml 0.1N HCl	5.6
Appearance	Visual	-	Pink mobile liquid, clear & bright.
Freezing protection at 50 dilution	ASTM D3321	°C	-37

Product Performance Claims

ASTM D3306 (I), ASTM D4985
BS6580:2010
JIS K2234
MAN 324 Typ SNF
MB-Approval 325.3
VW TL-774F (G12+)

Storage

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

ProCool
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