



S-OIL SUPER COOLANT LL

Long Life antifreeze & coolant with the change interval of 10 year of 200,000km

Product Description

- S-OIL SUPER COOLANT LL is the Organic acid type of long life antifreeze & coolant with the change interval of 10 year or 200,000km.
- This product is a nitrite-,borate-, phosphate-, silicate-, and amine- free formulation.
- This meets the mixed specification of GM 6277M and SSANGYONG motor long life coolant.

Applications

- Metal cutting fluids.
- Hydraulic fluid.
- Production line of car maker (SSANGYOUNG Motor)
- Industrial cooling system, vessel refrigerator system.

Features and potential benefits

- Superior protection in high operating temperatures.
- Do not cause precipitation by corrosion, mineral deposits and precipitation by reaction hard water.
- Outstanding hot surface aluminium protection.
- Excellent heat transfer properties.

Typical Properties

Test Item		ASTM Specification	S-OIL SUPER COOLANT LL	ASTM Test Method
General Property	Specific gravity(20)	-	1.05	D 1122
	Freezing point, 30vol% in water	-	-16.5	D 1177
	Boiling point, undiluted	163	168	D 1120
	30vol% in water		106	D 1120
	Effect on automotive finish	No effect	No effect	D 1182
	Ash content, max., wt%	5	2	D 1192
	pH, 30vol% in distill water	7.5 to 11.0	8.1	D 1267
	Reserve alkalinity, ml	Report	14.5	D 1121
Corrosion in Glassware (33 1/3)	Water, wt% max.	5	4.1	D 1123
	Copper, mg/specimen, max.	10	-1.4	D 1384
	Solder, mg/specimen, max.	30	-4.5	
	Brass, mg/specimen, max.	10	-1.8	
	Steel, mg/specimen, max.	10	-1.5	
	Cast Iron, mg/specimen, max.	10	-2.3	
Aluminium, mg/specimen, max.	30	-3.3		
Simulated Service Corrosion Test	Copper, mg/specimen, max.	20	-2.3	D 2570
	Solder, mg/specimen, max.	60	-7.5	
	Brass, mg/specimen, max.	20	-2.1	
	Steel, mg/specimen, max.	20	-2.9	
	Cast Iron, mg/specimen, max.	20	-3.5	
	Aluminium, mg/specimen, max.	60	-4.9	
Corrosion of cast Aluminium Alloys at Heat Rejecting Surface, mg / cm ² / week, max.		1	-0.3	D 4340
Foaming break time / volume max.		5.0 / 50ml	2 / 15	D 1181
Cavitation-Erosion for pump rating		8 ↑	10	D 2809

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This product used as recommended and for the application for which it has been designed does not present any particular risk.
A material safety data sheet is obtainable via your commercial adviser.