

PARAGEL LL

READY-TO-USE COOLANT (G12+)FOR
ALL AUTOMOBILE COOLING SYSTEMS

263007/02.17

Rev.2

DESCRIPTION

PARAGEL is an organic antifreeze based on mono ethylene glycol (MEG) of exceptional quality and G12+.

PARAGEL is used in all closed and open cooling systems in cars, trucks, machinery for agriculture and civil works.

Practice tests on a very large number of vehicles show full protection for at least 650,000 km (8000 h) on heavy duty engines and for 250,000 km for engines of cars and vans.

It is recommended to change the coolant every 5-year.

ADVANTAGES

- Excellent thermal conductivity for a maximum cooling of the engine.
- Contains special inhibitors for a maximum protection of aluminum alloys.
- Real long life antifreeze thanks to the strong reserve alkalinity.
- Compatible with the radiator hoses, the elastomers and plastic parts.
- Miscible with refrigerants of the same origin (MEG).

PARAGEL LL

PERFORMANCE

Constructor	Specification
-	ASTM D 4985
-	ASTM D 6210
BRITISCH LEYLAND	LTS 22 AF 10
CATERPILLAR	EC-1
CHRYSLER	MS 9176
MERCEDES	325.3 / 326.3
DAF	74002
DEUTZ	MWM 0199-2091
FORD	WSS-M97B44-D / ESE-M97B44-A
GENERAL MOTORS/US	GM 6277M
MAN	248 & 324 SNF / B&W D 36 5600
MACK	014GS17004
MTU	MTU 5048
RENAULT	41-01-001
VW / AUDI / SEAT / SKODA	TL 774 D/F (G12+)
PSA	B715110
VOLVO	(Reg. No. 260) VCS
JOHN DEERE	H24B1 & C1
OPEL-GM	QL 130100
WARTSILA	32-9011
ULSTEIN BERGEN	2.13.01
SCANIA	TB 1451
CUMMINS	85T8-2
SAAB	GM6277M
JAGUAR	WSS-M97B44-D
JAGUAR	CMR-8229
LANDROVER	WSS-M97B44-D
WAUKESHA	WAUKESHA

HYGIENE, SECURITY & ENVIRONMENT

Please consult also the Safety Data Sheet about how to manipulate and to stock the product as well as to learn about the first aid measurements in case of accident.

Elimination after use must be made in conformity with the local rules in force about used oils disposal. When needed, Safety Data Sheet can be obtained upon request.

Conservation of the product: 3 year(s) in closed container and sheltered.

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PROPERTIES

PROPERTIES	METHODS	MEAN VALUES
Density at 20°C	ASTM D 1122	1113 kg/m ³
Boiling point	ASTM D 1121	172°C
Monoethyleneglycol	-	93 %
Inhibitors	-	5 %
pH at 50% in water	ASTM D 1287	8,5
Watercontent	ASTM D 1123	< 4 % w/w
Ash content	ASTM D 1119	1,1 %
Reserve Alkalinity (pH 5,0)	ASTM D 1121	4,8
Foaming tendency at 5°C (50%) → foam stability	ASTM D 1881	50 ml 5 sec.
Foaming tendency at 88°C (50%) → foam stability	ASTM D 1881	50 ml 5 sec.
Compatibility with hard water	VW PV 1426	No precipitation
Staining on non-ferro metals	GME 60 255	None
Staining characteristics	ASTM D 1882	None
Nitrites, amines, phosphates	-	None
Borates, silicates	-	None
Colour	-	orange
Shelf life (20°C)	-	3 years

Average values are given for information only.

Testresults of the corrosion protection following ASTM D 1384

Metals	Average loss in mg / test tube
Brass	1,6
Copper	1,9
Soldering	0,1
Steel	- 0,5
Cast iron	- 1,4
Aluminium	4,6
Al Mn	2,9