MANNOL Antifreeze AG13+ (-40 °C) Advanced

4014

A hybrid (HOAT - Hybrid Organic Acid Technology) high-technology ready-to-use solution (which does not require dilution and protects the car cooling system at temperatures down to -40 °C) with excellent operating characteristics intended for a year-round use in any modern cooling system for which the use of mono-ethylene-glycol-based antifreeze is recommended. It ensures a reliable protection of any cooling system.

Product properties:
- It ensures a reliable protection of metals and alloys (brass, copper, alloy-treated steel, cast iron, aluminium) from all forms of corrosion, as well as prevents a high-temperature corrosion of aluminium surfaces of modern engines;
- The non-organic additive package protects the surface at once and the organic part starts to act only when corrosion sources appear thus a maximum protection is reached from the start of use and the service life of the engine is extended;
- It has an exceptional thermal stability. It protects from deposit formation;
- It has excellent heat conductivity properties and a resistance to foam formation;
- It is neutral to inserts and hoses, compatible with all types of rubber and plastic parts of the cooling system;
- It has an excellent resistance to hard water and very low corrosion inhibitor depletion rates;
- The high-efficiency additive package ensures an exceptional stability of operating properties of the antifreeze throughout the entire service life;
- It contains a fluorescent dye allowing identifying even small leakages of the antifreeze in the UV light;
- The balanced additive package allows maximally extending the service life of the solution;
- It is a liquid with an elevated level of borates and silicates. It does not contain nitrates, phosphates and amines (the NAP free technology).

Colour: yellow.

Service life: In average 3 years, but under certain conditions even up to 5 years.
Comply with the manufacturer’s instructions provided in the user’s manual!

Specifications
Approval
Recommendation
SAE J1034
AFNOR FRANCE NF R15-601
ASTM USA D3306
ASTM USA D4340
ASTM USA D4985
BSI GB BS 6580
NATO S-759
BMW GS 94000
CHRYSLER MS-7170
FORD ESE-M978B4H-A
FORD AF Plus
GM 1825 M
GM 1899 M
GM SATURN
JAGUAR
JOHN DEERE
MAN 324 NF
MB 325.0
MINI GS 94000
MTU MTL 5048
OPEL GME L1301
OPEL GM QL130100
VAUXHALL GME L1301

PACKAGING

5L	MN4014-5	Plastic	
208L	MN4014-DR	Drum	
60L	MN4014-60	Drum	
20L	MN4014-20	Plastic	
10L	MN4014-10	Plastic	
1L	MN4014-1	Plastic	20 pcs/box