



MANNOL Antifreeze AG13+ (-40) Advanced 4014

A hybrid (HOAT – Hybrid Organic Acid Technology) high-technology ready-to-use solution (not requiring being diluted and protecting the vehicle cooling system at up to -40 °C) with excellent operating characteristics intended for a year-round use in any modern cooling system for which the use of monoethylene-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 components of a 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: no less than 5 years

Comply with the manufacturer's instructions provided in the user's manual!

TYPE Ready-to-use Coolant Fluid (-40 °C)
 SAE J1034
 AFNOR FRANCE NF R15-601
 ASTM USA D3306
 ASTM USA D4340
 ASTM USA D4985
 BSI GB BS 6580:2010
 NATO S-759
 BMW GS 94000
 CHRYSLER MS-7170
 DEUTZ DQC CA-14
 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