



MANNOL Antifreeze AG13 (-40) Hightec 4013

Carboxylate (organic-OAT Organic Acid Technology) ready-made solution (which does not require dilution and protects the car cooling system at temperatures down to -40°C), designed for year-round use in any modern cooling systems for which the use of ethylene glycol-based antifreezes is recommended.

Provides reliable protection for any cooling system.

Product properties:

- Provides reliable protection of metals and alloys (brass, copper, alloy steel, cast iron, aluminum) from all forms of corrosion, and also prevents high-temperature corrosion of aluminum surfaces of modern engines;
- It has outstanding thermal stability. Protects from a scum;
- It has excellent thermal conductivity and resistance to foaming;
- Neutral to gaskets and hoses, compatible with all types of rubber and plastic parts of the cooling system;
- It has excellent hard water resistance and very low corrosion inhibitor depletion rates;
- Highly effective carboxylate additive package (OAT), provides exceptional stability in the performance properties of antifreeze throughout the entire service life
- Does not contain silicates, nitrates, phosphates and amines (NAP free technology);
- Has an extended service life in cooling systems: cars - up to 250 thousand km; commercial vehicles - up to 500 thousand km; stationary engines - up to 6 years.

Recommended for engines requiring improved heat dissipation: highly accelerated engines, turbocharged engines and cooling systems of modern commercial vehicles.

Colour: green.

Service life: not less than 5 years.

Follow the manufacturer's instructions in the instruction manual!

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
 MAN 324 Typ NF
 MB 325.0
 MINI GS 94000
 MTU MTL 5048
 OPEL GME L1301
 OPEL GM QL130100
 VAUXHALL GME L1301

PACKAGING

| | | | |
|-------|------------|---------|------------|
| 5L | MN4013-5 | | |
| 1000L | MN4013-IBC | | |
| 208L | MN4013-DR | Drum | |
| 60L | MN4013-60 | Drum | |
| 20L | MN4013-20 | Plastic | |
| 10L | MN4013-10 | | |
| 1L | MN4013-1 | Plastic | 20 pcs/box |