



MANNOL Pro Cool 4414

A hybrid (HOAT – Hybrid Organic Acid Technology) high-technology ready-to-use solution for two-wheeled motor vehicles (not requiring being diluted and protecting the cooling system at up to $-40\text{ }^{\circ}\text{C}$) with excellent operating properties designed 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 of two-wheeled motor vehicles.

Product properties:

- It ensures an enhanced and stable protection of metals and alloys (brass, copper, alloy-treated steel, cast iron, aluminium and its alloys) from all forms of corrosion as well as prevents a high-temperature corrosion of aluminium surfaces of modern engines throughout the entire service life of the solution;
- 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 a good thermal stability. It protects from deposit formation;
- It has excellent heat conductivity and a resistance to foam formation and cavitation, which is stable throughout the entire service life of the solution;
- 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;
- A high-efficiency additive package ensures an exceptional stability of operating properties of the antifreeze throughout the entire service life;
- 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.

It was specially developed for use in motorcycles, motor scooters, quadricycles, ATV (All Terrain Vehicles) and other types of two-wheeled vehicles.

Service life: no less than 3 years depending on the recommendation of the manufacturer of the vehicle.

To ensure best properties, do not dilute the solution!

Do not allow overheating of the engine at more than $135\text{ }^{\circ}\text{C}$ / $275\text{ }^{\circ}\text{F}$ (at +1.5 bar).

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

It contains a bitter additive to prevent swallowing!

Specifications

SAE J1034
AFNOR FRANCE NF R15-601
ASTM USA D3306
ASTM USA D4656
BSI GB BS 6580
JIS JAPAN K2234
KSM SOUTH KOREA 2142

Approval Recommendation

PACKAGING

5L	MN4414-5	Plastic	
20L	MN4414-20	Plastic	
10L	MN4414-10	Plastic	
1L	MN4414-1	Plastic	20 pcs/box