



### LEVELS OF QUALITY

Duglas Oil POLAR ANTIFREEZE complies with the following international specifications:

- CUNA NC-956-16
- ASTM D3306 TYPE1
- ASTM D6210 TIPE1-FF
- VW TL 744C (G11)

### DESCRIPTION

Duglas Oil POLAR ANTIFREEZE is recommended as a cooling fluid and as a heat-transfer fluid for all types of internal combustion water-cooled engines both in the automotive and in the industrial field.

It is suitable for the use both in heavy vehicles and in cars.

It can be used in engines built from cast iron, aluminium or in a combination of both without any problems.

### Dilution Table for Polar Antifreeze/Water

% (V/V) Polar	% (V/V) Water	Freezing point °C	Boiling point °C
10	90	-4.5	100.8
20	80	-10	101.7
30	70	-17.5	103.5
40	60	-25.6	105.5
50	50	-36	107.5

It is an ethylene glycol-based fluid which ensures the maximum protection in all seasons against frost and boiling.

Furthermore, it ensures an excellent seal compatibility because it is harmless on rubber connectors and sealing material.

It is compatible with all other fluids with the same composition and can be mixed with hard water from the tap.

### TYPICAL FEATURES\*

Features	Analysis Methods	Unit	Values
Aspect	-	-	Limpid liquid, blue
Specific weight 15°C	ASTM D-1122	g/ml	1.115
Undiluted boiling point	ASTM D-1120	°C	105.5
Crystallization point at 50%	ASTM D-1177	°C	-38
PH (aqueous solution at 50% Volume)	ASTM D-1287	Unit	7-9
Apparent water content	ASTM D-1123	%	5 max.
Hard water resistance		-	No precipitate or chemical separation

\*The above mentioned values are indicative of production average values and are not an integral part of the specification.

RAM.OIL S.p.A.

Stabilimento: Via Filichito, 28 - 80013 Casalnuovo (NA) - tel +39 081.51.95.111

Uffici: Via Enrico Mattei, 37 - 80013 Casalnuovo (NA) - tel +39 081.31.70.911

P.IVA 00291350635 - Capitale Sociale € 12.000.000,00 int. vers.

info@ramoil.it - www.ramoil.it

