

Athen Marine Coolants

Athen Marine Coolants are eco-friendly, long-life ELCs with advanced OAT protection for modern engines.

Product Description

Athen Marine Coolants are premium Extended Long-Life Coolants (ELC), high-performance, ready-to-use engine coolants formulated with 50% and 100% ethylene glycol, along with a proprietary blend of organic acid inhibitors (OAT). It is entirely free from nitrites, amines, silicates, borates, and phosphates, making it an environmentally safer and long-life alternative for modern cooling systems.

Features & Benefits

- ➔ **Extended Life Protection** – Up to 5 years or 250,000 km for passenger cars / 600,000 km for heavy-duty diesel engines.
- ➔ **Excellent Corrosion Protection** – Optimized for both aluminum and iron alloys
- ➔ **No Inorganic Salts** – Reduces scale formation, cavitation, and water pump wear
- ➔ **Compatible with Elastomers** – Safe with gaskets and hoses used in modern engines
- ➔ **Low Environmental Impact** – Free of environmentally harmful additives like phosphates and borates

Applications

- ➔ Passenger cars, light and heavy-duty trucks.
- ➔ Construction and agricultural equipment.
- ➔ Marine and stationary engines.
- ➔ Electric vehicles and hybrid cooling systems
- ➔ Suitable for engines containing aluminum, cast iron, copper, or brass components
- ➔ **Note: only use DE-IONISED water when mechanically mixed with the coolants to make a diluted engine coolant**

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Typical Characteristics	Method	50%	100%
Meets/Exceeds Requirements	ASTM D3306 (Light-Duty), ASTM D4985 (Heavy-Duty Diesel Engines), BS 6580 (UK Specification), SAE J1034 / J814, OEM specifications from: Mercedes-Benz, BMW, Volvo, Cummins, MAN, MTU, VW TL 774 F/G, Renault, etc.		
Test Parameters	ASTM Method	50%	100%
Appearance	Visual	Bright & Clear	Bright & Clear
Color	Visual	Green/Red	Green/Red
Density@20 °C, g/cm ³	D 1298	1.07	1.13
pH	D 1287	8.0	8.0 (50% Dilu.)
Reflux Boiling Point, °C	D 1120	110	174
Freezing protection, °C	D 1117	-39	-39 (50% Dilu.)
Reserve Alkalinity	D 1121	4.5	9.0

"Data provided in this PDS is based on standard tests under laboratory conditions and is indicative only. Minor variations that do not affect product performance are expected in normal manufacturing. This product should not be used for any purpose other than those expressly set out in this PDS.