ATLANTIC ANTIFREEZE COOLANT CONCENTRATE -RED

(Ethylene Glycol Based OAT Antifreeze - Extended Life Coolant)

DESCRIPTION

ATLANTIC ANTIFREEZE COOLANT CONCENTRATE -RED is a phosphate-free, silicate-free, nitrite-free, amines free and borate-free ethylene glycol base OAT Technology coolant that is designed to provide exceptional wet sleeve liner cavitation and corrosion protection of all cooling system metals.

When used at the correct concentration, ATLANTIC ANTIFREEZE COOLANT CONCENTRATE -RED based on Organic Acid Inhibitor Technology continue to provide effective corrosion protection for up to 250,000km for passenger cars and 500,000km in commercial vehicles. It is recommended that the coolant is replaced when the above mileages have been reached or after 5 years. ATLANTIC ANTIFREEZE COOLANT CONCENTRATE -RED provides excellent protection to engine cooling systems, whether they are predominantly of ferrous or aluminium construction. Unlike traditional coolants which employ inorganic inhibitors, ATLANTIC ANTIFREEZE COOLANT CONCENTRATE -RED has excellent hard water stability and very low inhibitor depletion rates.

APPLICATIONS

ATLANTIC ANTIFREEZE COOLANT CONCENTRATE -RED is designed for all year round usage in automotive and commercial petrol and diesel engines and certain industrial applications.

PRODUCT BENEFITS

Anti-freeze properties: Superior cold temperature performance	Anti-corrosion properties: Outstanding corrosion protection
Total system protection: Excellent heat transfer and dispersion	Provides outstanding long-term elastomer compatibility
Extended shelf life (2years after manufacture) when stored under cover, away from moisture and direct sunlight	Improves life duration of water pumps and heat transfer in the engine

SPECIFICATIONS/RECOMMENDATIONS

European & International Standards : ASTM D 3306, ASTM D 4985, SAE J 1034, BS 6580: 2010, JIS K 2234, AFNOR NF R15-601, FFV Heft R443, CUNA NC 956-16, UNE 26361-88, NATO S 759

Meets or exceeds : Volvo VCS Coolant, Chrysler MS 9176, Cummins 85T8-2 & 90T8-4, Leyland Trucks LTS 22 AF 10, Mack 014GS 17004, MAN 248, 324 (SNF) & B&W D 36 5600, Mercedes MB 325.3, Renault 41-01-001, VAG TL 774 D/F, GM 1899 M, US 6277 M & OPEL GM QL130100, John Deere H 24 B1 & C1, MTU MTL 5048, Ford ESE M97B49-A, WSS-M97B44-D & ESD M97B49-A

TYPICAL FREEZE/BOILOVER PROTECTION MIXING CHART (Using a103.4kPa pressure cap)

Mixing Ratio		Freezing Point Protection (°C)	Specific Gravity @ 20°C (g/mL)
Antifreeze concentrate (%)	Demineralized water (%)		
25	75	-12	1.030
33	67	-22	1.045
40	60	-27	1.060
50	50	-40	1.074
60	40	-56	1.087

TYPICAL TECHNICAL PROPERTIES

		TYPICAL VALUES	
CHARACTERISTIC	ASTM TEST METHOD	CONCENTRATE	50/50
Appearance	Visual	RED	RED
pH, (50% vol)	D1287	10.5	8 – 10.5
Specific gravity	D1122	1.120-1.130	1.070-1.080
Boiling point, °C (°F)	D1120	162 min	109 min
Freezing point, °C (°F)	D1177	--	-40
Total water, mass %	D1123	<5	50
Ash content, mass %	D1119	<5	<2.5
Chloride, ppm	D3634	<25	<25

CHARACTERISTICS	TYPICAL VALUE
Effect on non-metal materials	No effect
Effect on engine or vehicle finish	No effect
Reserve Alkalinity ml (ASTM D 112), (min.)	6.0
Flash Point(COC), ASTM D92, (min), °C	116 min
Foaming Characteristics(ASTM D 1881) Ability/ Stability for 5 seconds	150/0 ml max
Cavitations – erosion rating(ASTM D 2809)	8 min

Note: These characteristics are typical of current production. While future production will conform to Atlantic's specification, variations in these characteristics may occur.

Filling Instruction:

Diluted with clean water (preferably de mineralized) to a concentration of between 30% that ensures satisfactory protection against corrosion for light vehicles and 50% which is the recommended concentration to achieve the best degree of protection performance for larger diesel engines. In a clean cooling system, ATLANTIC ANTIFREEZE COOLANT CONCENTRATE -RED will deliver optimum performance and protection for up to one year upon which the system should be drained and refilled. When topping –up system use Antifreeze diluted with the appropriate amount of water.