



HEAVY DUTY EXTENDED LIFE

Organic Acid Technology (OAT)

NAPS - FREE

QC COOL RED Heavy Duty Extended Life is advanced Organic Acid Technology (OAT) antifreeze for heavy-duty diesel engines that protects against damaging rust and corrosion. NAPS free (a Nitrate/ Nitrite, Amine, Phosphate, Silicate) chemistry ensures trouble-free service and does not require Supplemental Coolant Additive (SCA). QC COOL RED Heavy Duty Extended Life is compatible for top-off and service with other modern OAT and nitrated organic acid technology (NOAT) formulations.

Best Use: Newer Heavy Duty Diesel Engines

Recommended Service Interval: 6 Years / 600,000



BENEFITS:

- ❖ Ethylene Glycol Base
- ❖ Ready-to-Use 50/50 Pre-mix
- ❖ Bulk, mini-bulk, totes, drums, or one gallon containers
- ❖ Extended Life Coolant (ELC)
- ❖ Compatible with modern OAT antifreeze / coolants
- ❖ Product Performance Warranty

SPECIFICATIONS:

- ❖ ASTM D6210 for Heavy-Duty Engines
- ❖ ASTM D3306 for Automobile & Light-Duty Service
- ❖ CID A-A-52624A : Antifreeze, Multi-Engine Type
- ❖ Free from amines, phosphates, nitrates and silicates

QC Cool is compatible with several competing brands of antifreeze. Refer to the Compatibility Chart for more information.

MEETS REQUIREMENTS:

- ❖ Caterpillar Cummins, Detroit Diesel, Freightliner, International, Mack, Volvo, John Deere, Paccar, General Motors, Mercedes-Benz, Ford and Scania
- ❖ Phosphate-free requirement of European OEMs
- ❖ Silicate-free requirement of Japanese OEMs
- ❖ TMC RP-329 (EG)
- ❖ TMC RP-330 (PG)



Manufactured at
221 Dalton Ave
Charlotte, NC 28206

For Technical or Ordering Information Call (704) 332-5600



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Table of Properties and Typical ASTM Test Results

TEST/ PROPERTY	ASTM METHOD	EG CONCENTRATE	EG 50/50
Color	Visual	Strawberry	Strawberry
Relative Density, 15.5/ 15.5°C (60/60°F)	D1122	1.1188	1.065
Freezing Point, °C (°F), 50 vol % in DI water	D1177	N/A	-37.3 (-35.1)
Boiling Point, °C (°F), 50 vol % in DI water	D1120	N/A	108 (226)
pH, 50 vol % in DI water	D1287	N/A	8.69
Reserve Alkalinity	D1121	5.0	Report
Ash Content, mass %	D1119	5 max	0.4
Chloride, ug/ g	E202	4 mg/kg	25 max
Water, mass %	D1123	4.5	N/A
Foaming Tendencies, ml/ sec	D1881	N/A	105/2.5
Glassware Corrosion Test	D1384	Pass	Pass
Aluminum Water Pump Cavitation Test	D2809	Pass	Pass
Aluminum Corrosion Test	D4340	Pass	Pass
Auto Finish Effect	D1882	No effect	No effect
Simulated Service Corrosion Test	D2570	Pass	Pass

Note:
 The proceeding data is based on tests and experience is believed to be reliable and is supplied for informational purposes only.
 For detailed safety and handling information regarding these products, please refer to respective Safety Data Sheets (SDS).



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