HD CONV Antifreeze Concentrate

Technical Data Sheet

Performance Fluids Benefits

All season formulation cools engine in summer, protects from freezing in winter.

Works in all heavy-duty diesel and compressed natural gas engine cooling systems requiring conventionally inhibited HD coolants.

Phosphate-free formula reduces the risk of hot surface scaling.

Meets the performance requirements of:

- ASTM D6210
- ASTM D3306

Which include:

- ASTM D1384
- ASTM D4340
- ASTM D2570
- ASTM D2809

Low silicate formulation meeting ASTM D4985.

Recommended for use in the following applications but not limited to:

- TMC RP329
- Cummins CES14603
- Caterpillar EC-1
- Freightliner 48-22880
- Detroit Diesel 7SE298 and 93K217
- Volvo/Mack
- PACCAR
- John Deer

Features

HD CONV Antifreeze Concentrate is fully formulated and precharged for use in heavy-duty diesel engines. It is formulated with a heavy-duty additive package that contains the initial charge of supplemental coolant additive (SCA) and a minimum of 2,400 ppm nitrite (as NO2). It provides excellent protection from cavitation erosion/corrosion in water pumps and wet sleeve cylinder liners, as well as excellent overall corrosion protection for multimetal systems.

In systems where coolant filtration is in place along with a formal monitoring and maintenance program, the coolant can provide up to 3 years/300,000 miles with the addition of heavy-duty supplemental coolant additive (SCA) as needed. Monitoring and maintenance of the engine coolant should include regular testing at normal oil drain intervals.

Product Specifications

PARAMETER	LIMIT
Appearance	clear, green liquid *
Ethylene glycol (WT%)	95.0 min
pH (50% v/v)	9.5 – 10.8
Reserve alkalinity (ml)	10.0 min

*Standard color. Custom color available upon request.

Typical Properties*

PROPERTY	VALUE
Corrosion inhibitors (WT%)	2.2 min
Water (WT%)	2.8 max
Boiling point (°F, 50% v/v, 15psi)	265 min **
Freezing point (°F, 50% v/v, 15psi)	-34
Specific gravity (60/60°F)	1.110 – 1.145
Density (PPG, 60°F)	9.26 min
Flash point (°F)	250
Nitrite (ppm)	2,400 min
Chloride (ppm)	25 max
Ash content (WT%)	2.5 max
Silicates (WT%)	< 250 ppm
Foam	150 ml max; 5 s break max
Effect on engine or vehicle finish	no effect
Effect on nonmetals	no adverse effect

*These values should not be construed as sales specifications.
**Boiling point shown using conventional 15 psig radiator cap.

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