



Crimson HD Total

Technical Data Sheet

Description

Road King Crimson HD Total is a heavy duty, pre-charged Antifreeze/Coolant. Engineered with a hybrid organic acid technology (HOAT) additive package, Road King Crimson HD Total, provides exceptional total system cooling protection for 600,000 miles in on-road and 12,000 hours in off-road use. The addition of Crimson HD Extender is needed after 300,000 miles of on-road and 6,000 hours of off-road use. Road King Crimson HD Total is recommended for use in the cooling systems of all types of heavy-duty diesel and gasoline engines.

Performance Features

- Hybrid Organic Acid Technology (HOAT)
- Contains no phosphates, nitrates, borates, or silicates
- Initial fills, coolant change-outs and top-offs
- Protection against rust and corrosion
- Reduces inventory
- Extended service

Specifications

- ASTM D-3306
- ASTM D-4985
- ASTM D-6210
- TMC RP 329 Type A/302A-1
- SAE J1034, J1038
- GM 1825M/1899M/6277M
- Cummins 90T8-4, 3666132
- Detroit Diesel 7SE298
- Caterpillar EC-1, ELC
- John Deere H-5, 8650-5
- Freightliner 48-22880
- Ford ESE-M97B44-A, ESEM97B44-B
- Chrysler MS 7170
- Case JIC-501, MS1710
- Waukesha 4-19470
- Mack 014GS17004

Freeze/Boil Protection Chart

Cooling System Capacity %	Freeze Protection	Boiling Point
50	- 34 °F	265 °F
60	- 60 °F	268 °F
70	- 82 °F	274 °F

Properties	Typical Specifications	ASTM Test Method
Specific Gravity	1.115 – 1.125	D-1122
Freezing Point, 50% Volume, ° F	-34 Max.	D-1177
Boiling Point, ° F	300 Min.	D-1120
Boiling Point, 50% Volume, ° F	226 Min.	D-1120
Effect on Engine Finish	No Effect	D-1882
Reserve Alkalinity	2.0 – 5.0	D-1121
Ash Content, Mass %	<5	D-1119
pH, 50% V/V	9.0-10.0	D-1287
Color	-	Red
Water mass %	<5	D-1123
Chloride	25 ppm, Max.	D-3306