

## *Hartland ELC HD Antifreeze & Coolant*

Hartland ELC HD Antifreeze & Coolant is an ethylene glycol based coolant with a Hybrid Organic Acid Technology (HOAT) inhibitor additive package. Hartland ELC HD Antifreeze protects your complete cooling system and comes standard with SCA (Supplemental Coolant Additives) making no initial testing of a system needed. Hartland ELC HD Antifreeze & Coolant is available as a concentrate and as 50/50 pre-diluted. Our Heavy duty ELC is fully formulated and batch tested to guarantee results under even the most demanding applications.

### **FEATURES/ BENEFITS**

- Improved Performance
- 600,000 miles or 12,000 hours of service (test at 300,000/6000hours for possible extender additive needed)
- Excellent heat transfer properties
- Less maintenance and reduced costs
- Silicate free formula reduces seal wear
- Improved water pump seal life
- No regular SCA (Supplemental Coolant Additives) or testing required
- Contains a special long life inhibitor complex for extended drain life
- Contains Bitterant for animal and child protection

### **RECOMMENDATIONS**

Hartland ELC HD Antifreeze & Coolant is suitable for use where the following specifications are recommended:

- ASTM D3306, D4985, D6210
- Caterpillar EC-1
- Cummins
- Volvo
- Detroit Diesel
- Navistar
- TMC RP 329
- TMC RP 338

Hartland ELC HD Antifreeze & Coolant Pre-Diluted 50/50 is suitable for use where the following specifications are recommended:

- ASTM D 4656, D5345, D6210
- TMC RP 329
- TMC RP 338

## APPLICATIONS

Hartland ELC HD Antifreeze & Coolant is a fully formulated engine coolant suitable for heavy duty diesel engines found in on-road, off-road, marine, farm, mining and construction equipment.

## SPECIAL HANDLING, NOTICES OR WARNINGS

Take precautions when handling all chemicals. Specifically, the work place must be well ventilated and safety glasses should be worn at all times. Avoid skin contact. These products contain bitterant, which reduces the chance of accidental ingestion. The products are based on monoethylene glycol and should be kept away from children and animals to prevent exposure.

Properties	Typical Concentrate	Typical 50/50
Appearance	Red	Red
Specific Gravity	1.130	1.06
Freezing Point °F (ASTM D1177)	-34°F Diluted 50/50	-34 °F as sold
pH (ASTM D1287), 1: dilution with water	8.3 Diluted 50/50	8.4 as sold
Reserve Alkalinity (ASTM D1121) , as received	6.0	3.0 as sold
Silicate, % (as Anhydrous Alkali Metasilicate)	none	none