

PREFERRED LUBRICANTS™ ANTIFREEZE/COOLANT

HEAVY DUTY ELC RED ANTIFREEZE & COOLANTS HEAVY DUTY, EXTENDED LIFE



PRODUCT DESCRIPTION

PREFERRED LUBRICANTS™ Heavy Duty Extended Life Red is a heavy-duty, extended life coolant that combines two organic acid inhibitors with azoles, nitrite and molybdate. This combination of inhibitors provides superior protection for all engine materials of construction including steel, aluminum, cast iron, copper, brass and solder.

PREFERRED LUBRICANTS™ HD ELC Red coolant contains no phosphates, silicates, borates, nitrates or amines. Since the coolant is free of phosphate and silicate and contains an anti-scalant, hard water deposits are minimized and water pump seal life is extended. Without phosphate and silicates in the coolant, gel formation is practically eliminated. This antifreeze/coolant contains additives that lubricate the water pump and reduce internal friction, which reduces engine operating temperatures.

The combination of aliphatic mono- and di-acids minimizes maintenance costs by providing extended coolant maintenance and change-out intervals, and by eliminating the need for the use of supplemental coolant additives (SCA's). With the addition of an extender at 300,000 miles, PREFERRED LUBRICANTS™ HD ELC Red has a service life of 600,000 on-road miles. In off-road service, including stationary engines for compressors and turbines, it has a service life of 12,000 hours or 6 years, whichever comes first.

TYPICAL TECHNICAL PROPERTIES

PROPERTY	SPECIFICATION	ASTM TEST METHOD	HD ELC RED
CHLORIDE	25 PPM, MAX.	D3634	<5
SPECIFIC GRAVITY, 60/60°F	1.065 MIN.	D1122	1.080
NITRITE	500 PPM MIN.	D5827	550
MOLYBDATE	500 PPM MIN.	D5827	550
BOILING POINT, 50% V/V	260°F/ 127°C MIN.	D1120	265°
FREEZING POINT, 50% V/V	-34°F/-36°C MIN.	D1177	-34°
EFFECT ON ENGINE OR VEHICLE FINISH	NO EFFECT	--	PASS
ASH CONTENT, MASS%	2.5 MAX.	D1119	2.0
pH, 50% V/V	8.0 - 9.5	D1287	8-8.5
RESERVE ALKALINITY*	3 MIN.	D1121	3-4
WATER MASS %	NONE SPECIFIED	D1123	49.0 MAX.
COLOR	DISTINCTIVE	--	RED
EFFECT ON NONMETALS	NO ADVERSE EFFECT	--	PASS
STORAGE STABILITY	NONE SPECIFIED	--	>1 YEAR
FOAMING	150 ml RISE, MAX. 5 SEC. BRK MAX	D1881	PASS

Used antifreeze coolant in most states is not hazardous unless it contains more than 5 ppm of lead. We recommend that spent coolant never be disposed of by dumping into a storm sewer or onto the ground. Instead, contact your local municipality for instructions on where to and how to properly dispose of this coolant and protect our environment. LOTT OIL, LLC assumes no responsibility for product misuse or improper application. For a copy of this product's Safety Data Sheet (SDS) or Technical Data Sheet (TDS), visit www.LOTTOIL.com

INDUSTRY STANDARDS

This ready-to-use antifreeze/coolant concentrate meets the following industry specifications:

- **ASTM D3306 (automotive/light-duty)**
- **ASTM D4340 (heavy duty diesel/low silicate)**
- **ASTM D6210 (fully formulated & precharged)**
- **TMC of ATA RP 329/338***

*The Maintenance Council of the American Trucking Association Antifreeze also meets the non-phosphate requirements of European OEM's and non-silicate requirements of Japanese OEM's.

PREFERRED LUBRICANTS™ HD ELC Red meets the requirements and specs of:

- TMC RP329
- TMC RP351 (Color)
- John Deere H24A1, H24C1 CAT
- EC-1
- Cummins CES 14439 Navistar
- Paccar
- Volvo/Mack
- JI Case
- Komatsu
- International
- GM
- Waukesha
- Ford
- New Holland
- Freightliner

PART NUMBERS

	50/50	CONCENTRATE
TOTE	999056-B	999057-B
DRUM	999056-55	999057-55
6/1 G	999056-6	999057-6

ABOVE CHART BASED ON USING A 15 PSI RADIATOR CAP