HDLL COOLANT CONCENTRATE





Red heavy duty long life concentrated coolant

APPLICATIONS

HD Diesel coolant with extremely long life

- **HDLL COOLANT** is a high performance, long-life ethylene glycol coolant suitable for heavy duty diesel and natural gas engines.
- HDLL (Heavy Duty Long Life) COOLANT contains organic acid technology and heavy duty corrosion inhibitors (nitrites and molybdates) to provide long life protection of cooling systems parts.
- HDLL COOLANT CONCENTRATE is free from nitrate, borate, phosphate, silicate and amine.
- To ensure good corrosion protection, effective heat transfer and year round performance, HDLL COOLANT CONCENTRATE should be diluted with good quality of demineralized water at concentration of 50%.

SPECIFICATIONS

International standards

- ASTM D-3306 (Automotive service), D-6210 (HD Diesel)
- ASTM D 5345 (prediluted HD Diesel); SAE J 1034
- Truck Maintenance Council RP-329, RP-338
- Caterpillar EC-1; Chrysler MS 9769; Cummins 90T8-4
- · Detroit Diesel 7SE-298;
- General Motors 1899-M and 1825-M
 - John Deere H24A1, H24C1
 - Mack Truck; Navistar B 1
 - Mercedes DBL 7700
 - Volvo/GM Heavy Truck

ADVANTAGES

High technical performance

Long service life

- Superior corrosion protection
- · High boiling point and low freezing point
- Easy to identify heavy duty red color
- At 300,000 miles addition of extender allows 600,000 mile protection
- Contains a bitter tasting additive as a deterrent for pets and children

TYPICAL CHARACTERISTICS—HDLL COOLANT CONCENTRATE		
Color, visual	Red	Freeze Point, °F (°C) at 50% dilution -34 (-37)
Specific Gravity @ 60/60 °F ASTM D 1298	1.129	Flash point, °F (°C) (ASTM D 92) 250 (121)
Density, lbs/gal. ASTM D 1298	9.43	Reserve alkalinity, ml (ASTM D 1121) 6
Composition, wt %		Foam Resistance (ASTM D-1881)
Total glycols, wt%, min. (ASTM E 202)	95	Foam Volume, 150 ml max. 50
Total water, wt% max. (ASTM D 1123)	5	Foam Break, 5 seconds max. 5
Chlorides,25 ppm max	20	Ash, wt%, 5% max 2.0

TOTAL Lubricants USA, Inc.

HDLL Coolant Concentrate Sheet updated: 5/1/2013 5 North Stiles Street Linden, NJ 07036 908.862.9300 or 800.323.3198 www.totallubricantsusa.com