



Lyden Oil Company

ProGuard Product Data

ProGuard Extended Life Coolant Product Data Sheet

PROGUARD Extended Life Coolant is state of the art, high performance antifreeze containing advanced corrosion inhibitors based on HOAT technology and stabilizers that provide long-term protection for complete cooling system protection.

PROGUARD Extended Life Coolant protects from the most frigid winter weather to the hottest days of summer while providing maximum long-term protection. **PROGUARD Extended Life Coolant** meets or exceeds domestic and imported engine manufacturer requirements for both gasoline and diesel engines and is perfect for cars with aluminum passenger car engines, trucks, tractors, heavy duty commercial engines and stationary engines. **PROGUARD Extended Life Coolant** contains a combination of organic "carboxy" inhibitors that are backed up with molybdate, nitrite and other more conventional inhibitors. It is a hybrid organic acid technology (HOAT) system that is phosphate and silicate free, with foam suppressants that provides help to lubricate vital cooling system components and minimizes hot surface scaling. It is precharged and ready to provide protection for 5 years or 150,000 miles.

PROGUARD Extended Life Coolant is an ethylene glycol based universal formulation which meets the requirements for ASTM D 3306 for aluminum service and ASTM D 4985 for heavy duty diesel service. **PROGUARD Extended Life Coolant** is compatible with all nationally distributed antifreeze brands and supplemental coolant additives. When using as a diesel coolant, SCA's must be added at recommended intervals. ProGuard Extended Life Coolant does not have any adverse affects on automotive hoses, gaskets or paint finishes. **HANDLING AND SAFETY INFORMATION:** Please refer to ProGuard Extended Life Coolant Material Safety Data Sheet (MSDS) for proper handling and safety information.

ProGuard Extended Life Coolant is specially formulated in accordance with:

ASTM D 3306, 4985, 6210, 1384, 4340, 2570 and 2809, American Motors AM-4085, Audi, BMW Mercedes Benz 325.0, 325.2, Caterpillar DEAC, EC-I, ELC, Chrysler MS7170, MS9769, Cummins 90T8-4, CES 14603, Detroit Diesel 7SE298; DDC Powercool, DDC Powercool 3000, 7SE298 DDC Powercool Plus, DDC Powercool 6000, Ford New Holland WSNM97D18D, Ford ESE M97B18-C, ESE M97B44-A, WSE M97B44-B, WSS-M97B51-AI, WSS M97B44-D, WSN M97B18-D, Freightliner 48-22880, GM 6038M, 1825M, 1899M, 6277M, GSA A-A-870A, GSA A-A-52624, Honda HES D2009-75, Hyundai, Isuzu, J.I. Case JIC-501, MS1710, John Deere JDM H24AI H24BI, H24CI and HS, Mack Truck 014 GSI7004, Mazda MEZ MW 121D, MIL O-A-5480, Mitsubishi, MTU MTL5048, MTL5049, Navistar BI, Type I, II, III, Porche TL-774C, TL-774D, Saab 6901 599, SAE J814, J1941, J1034, Suzuki 0F02, TMC of ATA RP302A, RP329, RP338, Toyota TSK26016, Volvo 014 GS 17009, VW TL774C (G11), VW TL774D (G12), red, VW TL774F (G12), light v.

Lyden Oil Company

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Typical Characteristics

Ethylene Glycol (antifreeze grade)	94.4% min
Corrosion Inhibitors	0.1% max
Water	5% min
Antifoam & Dye	Trace
Color	Red-Orange
Specific Gravity @ 60 Deg. F	1.12 - 1.13
Reserve Alkalinity	3.0 min
pH, 50% by volume	8.5 - 10.0
Flash Point (tag open cup)	250 Deg F
Boiling Point	276 F min
Foam Test	50 ml/3 sec max
Freeze Point @ 50%	Negative 34 Deg F
Silicate	0.1 % max
Weight (lb/gal)	9.4

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