



EXTENDED-LIFE ANTIFREEZE (Universal Coolant--Yellow)

EXTENDED-LIFE ANTIFREEZE is a hybrid organic acid technology that is significantly more robust than conventional additive systems. It is recommended for top off of any color antifreeze system, conventional or organic acid.

EXTENDED-LIFE ANTIFREEZE is a coolant specially formulated for heavy-duty diesels or automobiles. In automobiles it will provide a service life in excess of 5 years or 150,000 miles.

It is also suitable for automobiles, trucks, busses and heavy equipment. It contains special inhibitors to provide excellent foam resistance and superior corrosion protection for all types of metals found in cooling systems such as aluminum, copper, solder, steel, brass and cast iron. It also provides a higher reserve alkalinity level than most extended life antifreezes.

EXTENDED-LIFE ANTIFREEZE is compatible with cooling system components, hoses, and most major brands of antifreeze. It is ideal for use in initial fills, coolant change-outs or top-offs for either carboxylate coolants (usually red) or conventional (usually green) coolants. Top off with this yellow coolant will allow the coolant to maintain most of its original color of red, purple or green.

Furthermore, it will not harm automotive finishes. A 50% solution of **EXTENDED-LIFE ANTIFREEZE** and water is recommended for year-round performance.

EXTENDED-LIFE ANTIFREEZE contains NO phosphates or amines. It has aluminum protecting silicate levels.

BENEFITS

- **COMPATIBLE WITH ALL ANTIFREEZES**
- **COOLANT FOR BOTH DIESEL/AUTOMOTIVE USE**
- **150,000 MILES OR 5 YEARS OF PROTECTION**
- **SUPERIOR CORROSION PROTECTION**
- **INERT TOWARDS AUTOMOTIVE FINISHES**

EXTENDED-LIFE ANTIFREEZE is a heavy-duty diesel coolant that meets or exceeds the following specification:

- ANFOR R 15-601
- ASTM D-3306, D-4340 and D-6210
- BS 6580
- Caterpillar EC-1, DEAC
- Chrysler MS 7170 and 9769
- Cummins 14603
- Daimler-Chrysler automotive
- Detroit Diesel 7SE-298
- Federal Specification AA-870A (superseded by AA 52624A, type I concentration A)
- Ford ESE M97B44-A, WSS-M97B44-D, WSS-M97B51-A1FVV
- FW HEFT R443 (Germany)
- General Motors 1825, 1899-M and 6277M (Dexcool)
- JASO M325 and JIS K 2234 (Japan)
- John Deere H-5, H24B1, H24C1
- Mercedes Benz DBL 7700
- MTU
- Navistar B 1, type III
- SAE J 1034, J814, J1941
- TMC RP-338 and RP-329



EXTENDED-LIFE ANTIFREEZE (Universal Coolant--Yellow)

TYPICAL CHARACTERISTICS

Product Code (concentrate)	13605
Color	Yellow
Specific Gravity (ASTM D-1121) 60/60 °F	1.12
Pounds/gal @ 60 F (15.6 C)	9.43
50% Antifreeze Solution	
Freeze Point (ASTM D-1177) °F (°C) max.	-34 (-36)
Boiling point, °F	226
PH, 50% Volume	10
Flash Point (ASTM D-92) °F (°C), min	250 (121)
Composition, wt. %	
Total Glycols, wt%, min. (ASTM E 202)	95.0
Total Water, 5 wt% max. (ASTM D 1123)	2.9
Chlorides, ppm (25 max)	20
Reserve Alkalinity (ASTM D-1121) ml	10
Foam Resistance (ASTM D-1881)	
Foam Volume, 150 ml max.	35
Foam Break, 5 seconds max.	2.5
Ash, wt% (2 max)	<2

The above data is subject to usual manufacturing variation. For more information and availability, call 1-800-442-LUBE.
6/10/2008

FREEZE/BOIL PROTECTION CHART

(Using a 15 psi pressure cap)

% of Cooling System Capacity	PROTECTS AGAINST	
	Freezing Down to:	Boiling Up to:
40	-10 F	259 F
50	-34 F	265 F
60	-62 F	270 F