Dilmar Oil Company

Diesel DieselMax Extended Life Coolant

Antifreeze

Product Description

Dilmar Diesel DieselMax Extended Life Coolant is a coolant that contains a proprietary inhibitor system that makes it significantly more durable than other coolants. In heavy-duty diesel applications it can provide a service life of 600,000 miles, with the addition of Extenders at 300,000 miles. In automobiles this extended life Coolant/Antifreeze will provide a service life in excess of 5 years or 150,000 miles.

Dilmar Diesel DieselMax ELC concentrate contains an inhibitor combination of molybdate/nitrite to comply with ATA TMC RP 329 and ASTM D 6210 requirements for diesel coolants. It contains no added phosphates, silicates, nitrates or amines. It is a balanced combination of organic and inorganic additives and is compatible with both organic acid extended-life coolants and conventional inorganic coolants. In addition, our Extended Life Antifreeze will not cause turbidity, precipitation or inhibitor-effectiveness reduction when mixed with other carboxylate-based coolants such as ChevronTexaco Extended Life Coolant or Dex-Cool, nor with conventional coolants such as Prestone or Zerex. It is ideal for use in initial fills, coolant change-outs or top-offs.

Typical Performance and Specifications*
Dilmar Diesel DieselMax ELC meets ASTM D 3306 (automotive antifreeze), ASTM D 4985 (heavy-duty antifreeze), ASTM D 6210 (fully-formulated, pre-charged antifreeze) and TMC of ATA RP 329 performance requirements. It also meets or exceeds the following industry specifications as a concentrate or pre-diluted heavy-duty antifreeze/coolant:

- ☐ ASTM D3306, D4985, and D6210
- ☐ Cat EC-1 (ELC)
- ☐ Chrysler MS 7170
- ☐ Cummins 90T8-4
- ☐ Detroit Diesel 7SE298 (DDC Powercool Plus and Powercool Plus 6000)
- ☐ Ford ESE-M97B44-A, WSE-M97B44-B
- ☐ Freightliner 48-22880
- ☐ GM 1825, 1899M, 6277M
- ☐ International
- ☐ J.I. Case JIC-501
- ☐ Mack Truck
- ☐ MTU
- ☐ Mercedes DBL 7700
- ☐ Navistar B-1
- ☐ SAE J1034, J1038
- ☐ TMC of ATA**: RP329 - Type B/302A-1, RP338
- ☐ Volvo
- ☐ VW TL-774D

FREEZE/BOIL PROTECTION – MAXIMUM FREEZE PROTECTION IS AT 70%

ANTIFREEZE %	FREEZING POINT		BOILING POINT*	
--	ºF	ºC	ºF	ºC
50	-34	-37	265	129
60	-62	-52	270	132
70	-83	-64	277	136

PHYSICAL PROPERTIES	UNIT OF MEASURE	CONCENTRATE	50/50
Glycols Content	mass %	90 min.	45 min.
Water	mass %	2.9	52.9
Flash Point	ºF	250	NONE
Weight Per Gallon	@ 60ºF (15.6ºC)	9.27 #/gal.	8.81 #/gal.
Silicate Content	mass %	NIL	NIL
Product Number:		**9033**	**9036**

ADDITIONAL PROPERTIES	SPECIFICATION	TYPICAL VALUE	ASTM METHOD
Chloride Content, ppm	25 max.	<25	D 3634
Molybdate/Nitrite Content, ppm	2400 min.	>2400	D 5827
Specific Gravity @ 60/60 ºF	1.115-1.125	1.112	D 1122
Freeze Point, 50% Volume	-34ºF / -36ºC max.	-34ºF / -37ºC	D 1177
Boiling Point, Undiluted	325ºF / 162ºC min.	330ºF / 164ºC	D 1120
Boiling Point, 50% Volume	226ºF /107ºC min.	226ºF / 107ºC	D 1120
Effect on Engine or Vehicle Finish	no effect	no effect	--
Ash Content, mass %	5 max.	< 3	D 1119
pH, 50% Volume	9.8-10.6	9.8	D 1287
Reserve Alkalinity, ml	3 min.	4-5	D 1121****
Water Content, mass %	5 max.	3.0	D 1123
Color	distinctive	Strawberry Red	--
Effect on Non-Metals	no adverse effect	no adverse effect	--
Storage Stability	--	> 1 year	--
Foaming	150 mi vol., max.	35 ml	D 1881
	5 sec. break, max.	2.5 sec.	D 1881
Cavitation-Erosion Rating	8 min.	9	D 2809

**This antifreeze also meets the non-phosphate requirements of European OEM's and non-silicate requirements of Japanese OEM's*
***Technology & Maintenance Council of the American Trucking Association*
****Boiling Point shown using conventional 15 psi radiator cap*
*****Reserve Alkalinity (RA) is a term used to indicate the amount of alkaline inhibitors present in an antifreeze formulation. It is incorrect to relate a high RA value with high-quality antifreeze. Present state-of-the-art antifreeze formulations contain new inhibitor systems that give added protection to certain metals but do not raise the RA numbers.*