

Global Heavy Duty G-05

Precharged, Extended Life, Hybrid Organic Acid Technology (HOAT), Low-Silicate Antifreeze Concentrate - Formulated to be Compatible with All Types of Antifreeze

Industry Standards

This extended-life antifreeze/coolant meets the following industry specifications:

- ASTM D3306 (automotive/light-duty)
- ASTM D4985 (heavy-duty diesel/low silicate)
- ASTM D6210/11 (fully formulated and precharged)
- TMC of ATA RP 329/338*

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

Contact Information

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This antifreeze/coolant concentrate is a universal/global, hybrid organic acid technology (HOAT), extended life, low-silicate, non-phosphate product suitable for automotive/light duty and heavy duty diesel applications. Since this is a HOAT extended life antifreeze/coolant it combines organic acid salts with conventional inorganic salts and azoles; this makes it compatible with all types of both extended life and conventional technology antifreeze/coolants.

This antifreeze is precharged, meaning that it contains a minimum of 2400 ppm nitrites. Its additives effectively control wet sleeve cylinder liner pitting/corrosion in heavy duty diesel engines. The primary corrosion inhibition system consists of a combination of salts of carboxylic and phosphono-carboxylic acids. These inhibitors deplete very slowly relative to conventional inorganic salt compounds, providing the extended service life of this antifreeze. It utilizes a low-silicate level (less than 250 ppm as silicon) and is free of phosphates and amines.

In addition, this antifreeze/coolant contains an advanced inhibitor system that provides a wide range of inhibitors which protect all cooling system metals. Together with the glycol base, these inhibitors combined with other additives, give year-round protection against freeze-ups, boil-overs and engine cooling system corrosion. This antifreeze/coolant also includes ingredients to disperse minor oil leakage, prevent fouling, control hot surface scaling and it will not damage auto finishes or rubber parts.

In automobiles, light trucks, SUV's, vans and other light duty applications, this product will provide a service life in excess of 5 years or 150,000 miles. In heavy-duty diesel applications (in which a formal monitoring and maintenance program is in place) it can provide a service life of 600,000 miles with the addition of our heavy-duty supplemental coolant additive at 300,000 miles.

PHYSICAL PROPERTIES		
Antifreeze Glycols	mass %	95.0 min.
Corrosion Inhibitors	mass %	2.2 min.
Water	mass %	2.8 max.
Flash Point	°F	250°F
Weight per gallon at 60° F-16° C	lbs.	9.35-9.45 min.
Silicates	mass %	< 250 ppm

% Antifreeze	Freezing Point		Boiling Point*	
	°F	°C	°F	°C
40%	-9 max	-22 max	220 min	104 min
50%	-34 max	-36 max	226 min	107 min
70%	-84 max	-64 max	240 min	115 min

**Boiling point shown using conventional 15 psi radiator cap.*

Heavy-Duty Extended Life Antifreeze/Coolant Product Data Sheet

Characteristic	Specification	Company Typical	ASTM Method
Chloride	25 ppm, max.	~25 ppm	D3634
Specific gravity, 60/60°F	1.110-1.145	~1.12	D1122
Nitrite	2400 ppm min.	~2400 ppm	D5827
Boiling Point, undiluted	325°F/162°C min.	~160°C	D1120
Boiling Point, 50% V/V	226°F/107°C min.	~107°C	D1120
Freezing Point, 50% V/V	-34°F/-36°C min.	~ -37°C	D1177
Effect on engine or vehicle finish	No effect	No effect	- -
Ash content, mass %	2.5 max.	~0	D1119
pH, 50% V/V	7.5-11.0	~8-11.5	D1287
Reserve alkalinity*	None specified	6 min.	D1121
Water mass %	None specified	2.8 max.	D1123
Color	Distinctive	As requested	- -
Effect on nonmetals	No adverse effect	No adverse effect	- -
Storage stability	None specified	> 1 year	- -
Foaming	150 ml vol., max. 5 sec. break, max.		D1881

**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 with high-quality antifreeze. Many antifreeze formulations contain new inhibitors which give added protection to certain metals but do not raise the RA numbers.*

NOTE: 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.

The purchaser hereby waives all guarantees and warranties and all other liabilities, expressed or implied, arising by law or liabilities therefore, expressed or implied, arising by law or otherwise, including without limitation, all obligations and liabilities with respect to loss of use, revenue or profit, or indirect or consequential damages, and any implied warranty of fitness for a particular purpose or of merchantability, or that any information, data or products can be used without infringing patents of third parties. Purchaser agrees to limit its warranty to its customers so as not to increase WEBA Technology's liability beyond that set forth herein and indemnifies and holds harmless WEBA Technology from any liability.