

Global Extended Life HD

Precharged, Extended Life, Hybrid Organic Acid Technology (HOAT)



Product Features

- Extended service life of up to 600,000 miles, or 12,000 hours with proper maintenance
- Low silicate, phosphate and amine free
- Compatible with all types of extended life and conventional technology antifreezes
- Meets ASTM D3306 (automotive/light-duty), ASTM D4985 (HD diesel/low silicate), ASTM D6210/11 (HD fully formulated & precharged), TMC of ATA RP 329/330

Description

Global Extended Life HD antifreeze/coolant 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. 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 coolant is precharged, meaning that it contains a minimum of 1200 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 is low silicate and is free of phosphates and amines.

Extended Life

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 (Prediluted 50/50)

Antifreeze	mass %	48.0 min
Corrosion Inhibitors	mass %	1.1 min
Water	mass %	49.0 min
Flash Point	°F	none
Wt. per gallon at 60°F	lbs	8.9 min
Silicates	mass %	250 max

Global Extended Life 50/50 Characteristics	Specification	Company Typical	ASTM Method
Specific gravity, 60/60°F	1.065	1.072	D1122
Nitrite	1200 ppm min	1350	D5827
Chloride	33 ppm max	3	D3634
Boiling Point, 50% v/v (@15psi)	226°F min	229°F	D1120
Freeze Point, 50% v/v (@ 15 psi)	-34°F	-34°F	D1177
Ash content, mass %	2.5 max	1.0	D1119
pH, 50% v/v	9.5-10.8	10.5	D1287
Reserve alkalinity	non specified	3.0	D1121
Color	Distinctive	Various	-
Foaming	150 mL vol., max 5 sec break, max	Pass	D1881



1451 Highway Ave SE Redcliff, AB
Phone: (403) 528-4220
Fax: (403) 528-9010
www.genesischemicals.com

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