



HD/LD Hybrid

Prediluted 50/50 Ethylene Glycol Hybrid OAT, Extended Service Coolant

Description

MAXTECH[®] HD/LD Hybrid is prediluted, 50/50 antifreeze/coolant, low-silicate, non-phosphate product suitable for automotive/light duty and heavy-duty diesel applications. It contains a well-balanced inhibitor system that provides great protection for all cooling system metal components. The product provides 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.

This coolant is pre-charged, 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.

Benefits

- + Meets the performance requirements of RP 329, RP 338A, ASTM D6210, ASTM D3306, which include ASTM D1384, ASTM D4340, ASTM D2570, ASTM D2809.
- + Ready-to-use.
- + Protects all system metals.
- + Yellow color is neutral and will not alter the original color of the coolant if topping off.
- + In HD/LD applications, provides up to 300,000 miles on-high way service before supplemental coolant additives (SCA's) are needed. A well-established maintenance practice should be in place for testing coolant at least twice a year.
- + In HD/LD applications it will perform for up to 5 years/100,000 miles with complete drain, flush, and refill.

Characteristic	Specification	Company Typical	ASTM Method
Chloride (ppm)	25 Max.	9	D3634
Specific gravity (60°F)	1.065 min	1.075	D1122
Boiling Point (50% V/V)	226°F/107°C min.	230**	D1120
Freezing Point (50% V/V)	-34°F/-36°C min.	-34	D1177
Effect on engine or vehicle finish	No effect	Pass	--
Ash content, mass %	2.5 max.	1.1	D1119
pH (50% V/V)	9.5-10.8	10.3	D1287
Reserve alkalinity*	None specified	4.0	D1121
Color	Distinctive	Yellow	--
Foaming	150 vol., 5 sec., max.	Pass	D1881

*Reserve alkalinity (RA) is a value agreed between the customer and supplier. The RA listed above is the typical for the additive package being used.
 **Boiling point shown at atmospheric pressure. Add 40°F for 15 psi radiator cap.