

TEC-KOOL®

ELITE



- Protects up to 6 years or 600,000 miles
- Nitrite-Free poly-organic acid technology inhibitor system
- Diesel Ready Heavy-Duty

TEC-KOOL Elite Yellow Nitrite-Free Heavy-Duty ELC Concentrate Antifreeze/Coolant is a heavy-duty extended life antifreeze/coolant and contains a proprietary poly-organic/multi-organic acid technology inhibitor system that does not contain any phosphate, silicate, borate, nitrate or nitrite. TEC-KOOL Elite Yellow Nitrite-Free Heavy-Duty ELC Concentrate Antifreeze/Coolant meets the performance requirements of ASTM D6210 without nitrite or nitrite/molybdate combination. It does not require a supplemental coolant additive (SCA) for heavy-duty fleet maintenance programs, but still provides wet sleeve cylinder liner cavitation protection due to its unique formulation.

A major advantage of this type of antifreeze is that it provides total cooling system protection for 600,000 on-road miles without the use of additive-containing coolant filters or supplemental coolant additives (SCAs). The addition of an extender at 300,000 miles is the only maintenance required, although, it is recommended that a sample of the coolant be inspected quarterly to detect any problems, such as; significant color change, pH change, phase separation, precipitation, cloudiness, or obvious contamination. This inspection should be in addition to the parameters that are normally checked in a routine or scheduled maintenance program.

TEC-KOOL Elite Yellow Nitrite-Free Heavy-Duty ELC Concentrate Antifreeze/Coolant's all-organic/poly-organic acid formulation has several other advantages. It is compatible with all types of coolant technologies including conventional inorganic acid salt formulations, straight organic acid (OAT) formulations, hybrid organic acid formulations (HOAT), nitrited HOAT formulations (NOAT) and other poly-organic acid formulations. Additionally, TEC-KOOL Elite Yellow Nitrite-Free Heavy-Duty ELC Concentrate Antifreeze/Coolant has a low reactivity which makes it less sensitive to contaminants such as motor oil, hard water compounds and other coolants. In fact, it can be mixed with other coolants in any proportion without adverse effects on corrosion protection.

TEC-KOOL Elite Yellow Nitrite-Free Heavy-Duty ELC Concentrate Antifreeze/Coolant is suitable for passenger cars, vans, SUVs, light trucks, heavy-duty fleet vehicles and many off-road applications such as stationary engine cooling systems. It will provide superior corrosion protection for all cooling system metals, including aluminum, steel, cast iron, copper, brass and solder.

Meets or exceeds the following performance requirements and industry specifications:

- ASTM D3306
- ASTM D4985
- ASTM D6210
- PACCAR®
- Cummins® CES 14603
- TMC RP329B, RP330A
- John Deere® H24A1, H24C1
- Caterpillar® EC-1
- Navistar® MPAPS B-44
- Detroit Diesel® 7SE298
- Navistar® MPAPS B-1 TYPE IIIA

Product Number		UPC Code	Pack
Concentrate	1031012550CONC	859862007494	6/1 Gallon
	1031021550CONC	859862007500	Drum
	1031020550CONC	859862007548	275 Gallon Tote
	1031020550CONC	859862007555	330 Gallon Tote
50/50 Premix	10310125550/50	859862007487	6/1 Gallon
	10310215550/50	859862007517	Drum
	10310205550/50	859862007524	275 Gallon Tote
	10310205550/50	859862007531	330 Gallon Tote

TEC-KOOL Elite Yellow Nitrite-Free Heavy-Duty ELC Concentrate Antifreeze

Physical Properties		
Antifreeze Glycols	Mass %	95.0 min.
Water & Corrosion Inhibitors	Mass %	5.0 min.
Flash Point	°F	250° F
Weight per gallon at 60°F -16°C	lbs.	9.17-9.37 min.
Silicates	Mass %	Nil

% 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 at atmospheric pressure. Add 40°F for 15psi radiator cap.				

Characteristics	Specification	Company Typical	ASTM Method
Chloride	25 ppm, max.	2	D3634
Specific gravity 60/60°F	1.110-1.145	1.120	D1122
Boiling Point Undiluted	325°F/162°C min.	328	D1120
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.	2.0	D1119
pH, 50% V/V	8.0-9.0	8.7	D1287
Reserve alkalinity*	None specified	8	D1121
Water mass %	None specified	2.3 max.	D1123
Color	Distinctive	Yellow	--
Effect on nonmetals	No adverse effect	Pass	--
Storage stability	None specified	>1 year	--
Foaming	150 ml rise max. 5 sec. break, 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.

NOTE: All laws/regulations should be observed when disposing of Antifreeze/Coolant. Dispose of contents/container, in a safe manner, to appropriate waste disposal facility, in accordance with local/state/national/international regulations.

