

# TEC-KOOL®

## MAX



TEC-KOOL® Max Red HD NOAT Extended Life Concentrate Antifreeze/Coolant is a lifetime, heavy-duty fully formulated antifreeze/coolant that is amine, phosphate, silicate, and 2-ethylhexanoc free. It is a Nitrited Organic Additive Technology (NOAT) coolant, ethylene glycol-based, which uses organic acid inhibitors to provide protection for all cooling system metals.

TEC-KOOL® Max Red HD NOAT Extended Life Concentrate Antifreeze/Coolant works in all heavy-duty diesel, gasoline and natural gas engine cooling systems where a nitrited coolant is required and eliminates the need for SCAs and chemically charged filters. A major advantage of TEC-KOOL® Max Red HD NOAT Extended Life Concentrate Antifreeze/Coolant is that it provides total cooling system protection for 750,000 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® Max Red HD NOAT Extended Life Concentrate Antifreeze/Coolant has excellent heat transfer for high temperature applications, such as engines with EGR and SCR systems, provides outstanding protection against corrosion and cavitation, has a non-abrasive formula that can improve water pump seal life, and also eliminates drop-out, gel, and reduces scale.

- Protects up to 750,000 miles on-road use
- Heavy-Duty - No SCAs required
- For all heavy-duty diesel, gasoline and natural gas engine cooling systems where a nitrited coolant is required

Meets or exceeds the following performance requirements and industry specifications:

- ASTM D3306
- TMC RP329B
- CAT® EC-1
- Komatsu®
- Ford®
- International®
- Volvo®/Mack®
- Waukesha®
- ASTM D6210
- TMC RP351 (color)
- Cummins® CES 14439
- Navistar® MPAPS B-1 TYPE III
- PACCAR®
- John Deere® H24
- GM®

	Product Number	UPC Code	Pack
Concentrate	1031021890CONC	850007196103	Drum
	1031024890CONC	850007196110	Pail
	1031020890CONC	850007196097	275 Gallon Tote
	1031020890CONC	850007196080	330 Gallon Tote
50/50 Premix	103102189050/50	850007196158	Drum
	103102489050/50	850007196127	Pail
	103102089050/50	850007196141	275 Gallon Tote
	103102089050/50	850007196134	330 Gallon Tote

### TEC-KOOL® Max Red HD NOAT Extended Life Concentrate Antifreeze

% Antifreeze	Freezing Point		Boiling Point*	
	°F	°C	°F	°C
40%	-13° max.	-25° max.	260°	126° min.
50%	-34° max.	-36° max.	265°	129° min.
60%	-62° max.	-52° max.	270°	132° min.

\*Boiling point shown at atmospheric pressure. Add 40°F for 15psi radiator cap.

Characteristics	Specification	Company Typical	ASTM Method
Chloride	25 ppm, max.	4 mg/kg	D3634
Specific gravity 60/60°F	1.110-1.145	1.120	D1122
Boiling Point Undiluted	325°F/162°C min.	325°F	D1120
Boiling Point, 50% V/V	226°F / 108°C min.	226°F	D1120
Freezing Point, 50% V/V	-34°F / -36°C min.	-34°F	D1177
Effect on engine or vehicle finish	No effect	Pass	--
Ash content, mass%	5 max.	5 max.	D1119
pH, 50% V/V	8.0 - 9.0	8.2 - 9.0	D1287
Reserve alkalinity	None specified	No Data	D1121
Water mass %	None specified	5% max.	D1123
Color	Distinctive	Red	--
Foam	150 ml rise max. 5 sec. break, max.	50 ml/3 sec. max.	D1881

**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.