

SPX ELC

SINGLE PHASE, ETHYLENE GLYCOL BASED NOAT (NITRITED ORGANIC ADDITIVE TECHNOLOGY) EXTENDED LIFE COOLANT

SPX ELC is a single phase, ethylene glycol based NOAT for heavy duty cooling system applications that require nitrite. SPX ELC is free of nitrates, borates, silicates, phosphates, and amines. This product contains nitrites for additional cylinder liner protection. SPX ELC is recommended for use in on-road, off-road, and stationary engine applications. This product can also be used in mixed fleet applications where heavy duty and light duty trucks are present. Routine visual inspections, coolant top-off and annual laboratory testing are recommended to ensure maximum service life.

Advantages

- Eliminates the cost of using SCAs (supplemental coolant additives)
- Service life of 300,000 miles or 6,000 hours off-highway use
- Improves heat transfer compared to silicate containing formulations providing optimal cooling system operation
- Maximum water pump life due to minimal water pump seal wear resulting from the silicate free formulation
- Effective corrosion protection, even at elevated temperatures, of common cooling system metals
- Compatible with other coolant formulations and supplemental coolant additives
- Can be used in engines using variable fuel types and variable emission control types; check with OEM for specific application requirements

Applications

- Heavy duty engines regardless of fuel type or environmental controls being used where the OEM recommends a silicate free, extended life coolant that contains nitrites¹
- Mixed fleets where both heavy duty and light duty trucks are present
- On-road, off-road, or stationary engines
- Marine cooling systems where freeze protection is needed and a nitrite containing coolant is recommended

¹Some OEMs recommend the use of nitrite free coolants. Check with your OEM.

Specifications

SPX ELC meets the following industry specifications:

- ASTM D3306
- ASTM D4656
- ASTM D4985
- ASTM D5345
- ASTM D6210
- ASTM D6211
- ASTM D6471
- ASTM D6472
- CAT EC-1
- Cummins 90T8-4
- Cummins 3666132

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Heavy Duty



Specifications

- Detroit Diesel 7SE298
- Ford ESE-M97B44-A Sections 3.4.1 & 3.4.2
- Ford ESE-M97B18-C Sections 3.1.1 & 3.1.2
- Freightliner 48-22880
- GM 1899M
- GM 1825M
- John Deere H-5
- John Deere 8650-5
- Navistar B1 (B6-008GO)
- Mack truck 014GS17004

SPX ELC is recommended for:

- Caterpillar stationary and mobile heavy duty diesel engines
- Caterpillar stationary natural gas engines

SPX ELC

TYPICAL PROPERTIES

	CONCENTRATE	50/50
Appearance	Red	Red
Specific Gravity @ 60°F, ASTM D1122	1.110	1.125
Freezing Protection, °F/°C	-	-34/-37
pH, ASTM D1287	8.0 – 9.5	7.0 – 8.0
Reserve alkalinity, ASTM D1121	6.0	3.0
Nitrites, ppm	<2400	<1200

Note:

- Product concentrates should be agitated before use
- Always dispose of used coolant in accordance with local, state, and federal guidelines

Minor variations in typical properties data are to be expected in normal manufacturing.

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet (SDS).

Heavy Duty

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