

SPX ELC 50/50

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

SPX ELC 50/50 is a single phase, ethylene glycol based NOAT for heavy duty cooling system applications that require nitrite. SPX ELC 50/50 is free of nitrates, borates, silicates, phosphates, and amines. This product contains nitrites for additional cylinder liner protection. SPX ELC 50/50 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 50/50 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

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TYPICAL PROPERTIES

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

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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