SPX NITRITE FREE ELC 50/50

HEAVY DUTY ETHYLENE GLYCOL BASED OAT (ORGANIC ADDITIVE TECHNOLOGY) EXTENDED LIFE COOLANT

SPX Nitrite Free ELC 50/50 is a heavy duty ethylene glycol based OAT containing a poly-organic/multi-organic acid technology inhibitor. SPX Nitrite Free ELC 50/50 is free of nitrites, nitrates, borates, silicates, and phosphates. This product does not require supplemental coolant additive (SCA) for heavy-duty fleet maintenance programs, but still provides wet sleeve cylinder liner cavitation protection. SPX Nitrite Free 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.

Features & Benefits

- Eliminates the cost of using SCAs (supplemental coolant additives)
- Long service life of 600,000 miles for on-road use
- Effective, long term corrosion protection, even at elevated temperatures, of common cooling system metals
- Compatible with other coolant formulations and supplemental coolant additives; recommend not diluting by more than 25% to maintain extended life performance
- Biodegradable when new or in unused form
- Storage stable for a minimum of 8 years provided the integrity of the container is maintained
- 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 is nitrite free[1]
- Mixed fleets where both heavy duty and light duty trucks are present
- On-road, off-road, or stationary engines

[1]Some OEMs recommend the use of nitrite containing coolants. Check with your OEM.

Specifications

SPX Nitrite Free ELC 50/50 meets the following industry specifications:

- ASTM D6210 (fully formulated and precharged)
- ASTM D3306 (automotive/light-duty)
- ASTM D4985 (heavy-duty diesel/low silicate)
- TMC of ATA RP 329/330[2]

[2]The Maintenance Council of American Trucking Association Antifreeze also meets the non-phosphate requirements of European OEM's and non-silicate requirements of Japanese OEM's

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Pilot Thomas LOGISTICS

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TYPICAL PROPERTIES	
Appearance	Various colors
Specific Gravity @ 60°F, ASTM D1122	1.070
Density @ 60°F	8.88 min
Freezing Point, °F/°C [a], ASTM D1177	-34/-36
Boiling Protection, °F/°C (using a 15lb pressure cap)	226/107
Foaming, ASTM D1881 150 mi vol., max. 5 sec. break, max.	Pass
pH[b], ASTM D1287	8.7
Ash content, mass %	1.1
Reserve alkalinity[c], ASTM D1121	4.0
Silicate, %[d]	None

[a] 50 vol% aqueous solution
[b] 1:2 dilution with water
[c] as received
[d] as anhydrous alkali metasilicate

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.

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