



SPX EXTENDED LIFE COOLANT 50/50

SINGLE PHASE, ETHYLENE GLYCOL BASED NOAT (NITRIED ORGANIC ADDITIVE TECHNOLOGY) COOLANT

SPX Extended Life Coolant 50/50 is a single phase, ethylene glycol based NOAT based on aliphatic carboxylate corrosion inhibitor technology specifically formulated for heavy duty cooling system applications that require nitrite. SPX Extended Life Coolant 50/50 is free of nitrates, borates, silicates, phosphates, and amines. This product contains nitrites and molybdates for additional cylinder liner protection. SPX Extended Life Coolant 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 1,000,000 miles/1,600,000 km on-road use or 15,000 hours off-highway use, or 8 years
 - 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, 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
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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 Extended Life Coolant 50/50 meets the following industry and OEM specifications:

- ASTM D6210
- ASTM D3306
- Caterpillar EC-1
- Detroit Series 60 and DD15 engines per SVC BRO 0002
- Deutz DQC CB-14
- Navistar B1 Type 3
- TMC RP 329, 302A, 351 (color)

SPX Extended Life Coolant 50/50 is recommended for:

- Caterpillar stationary natural gas engines
- Cummins QSK, QST, ISX 15, ISX, ISM, ISL, ISC, and ISB Diesel Engines
- Cummins Westport ISX 12G and ISL G CNG Engines
- Freightliner and Western Star Truck Diesel Engines
- GE-Jenbacher stationary natural gas engines
- Hino truck diesel engines
- Isuzu truck diesel engines
- Kenworth and Peterbilt truck diesel engines
- Kobelco construction equipment diesel engines
- Komatsu construction equipment diesel engines
- MTU 4000 diesel engines
- Navistar truck diesel engines
- Scania and MAN truck diesel engines
- Volvo and Mack truck diesel engines
- Wartsila stationary diesel engines
- Waukesha stationary natural gas engines
- White-Superior stationary natural gas engines

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TYPICAL PROPERTIES

Appearance	Red
Specific Gravity @ 60°F, ASTM D1122	1.130
Freezing Point, °C ^a , ASTM D1177	-37
Boiling Protection, °F/°C (using a 15lb pressure cap)	265/129
Freezing Protection, °F/°C	-34/-37
pH ^b , ASTM D1287	8.3
Reserve alkalinity ^c , ASTM D1121	6.0
Silicate, % ^d	None

ASTM D1384 Glassware Corrosion Test

	ASTM Limit	Weight loss, mg per coupon
Copper	10 max	2
Solder	30 max	0
Brass	10 max	-1
Steel	10 max	-1
Iron	10 max	-1
Aluminum	30 max	3

^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.