Cat® ELI™

Extended Life Inhibitor Coolant

Concentrate

Long-Lasting Cooling System Protection for Warm Climates

Cat® ELI™ (Extended Life Inhibitor) is a long-lasting coolant for marine and industrial engines working in environments that do not experience freezing temperatures. Cat ELI uses an active protection technology, similar to Cat ELC™, that avoids the problems experienced with conventional coolants and supplemental coolant additives (SCA) mixed with water. These types of coolants lay down a coat of inhibitors, such as silicates, throughout the entire cooling system that slows heat transfer and reduces cooling system efficiency. Cat ELI works by sending its organic additives only to areas susceptible to corrosion. This active protection technology delivers superior protection, improved cooling system efficiency, and is environmentally friendly.

Benefits

Lower Owning and Operating Costs

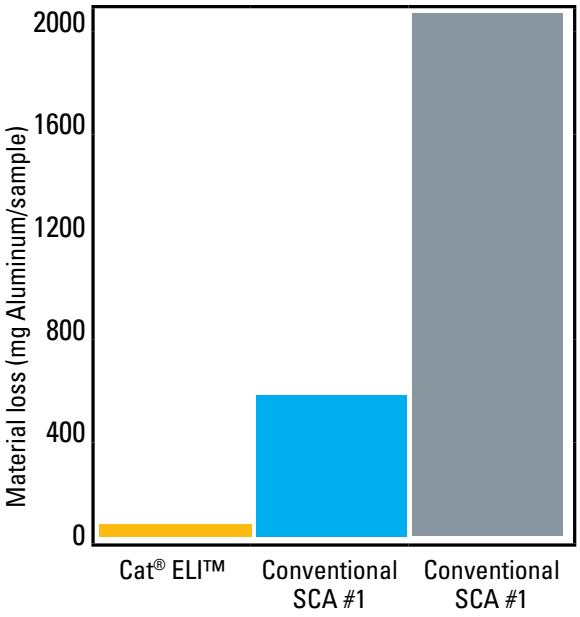
- Lasts three to six times longer than conventional coolants or commercial supplemental coolant additives (SCA) mixed with water
- Reduced maintenance costs as a result of less frequent: checks of coolant health, replacement of inhibitors, and drains/flushes
- Fewer repairs needed due to improved corrosion protection

Maximum Protection

- Uses inhibitors that provide superior protection against pitting and corrosion for aluminum, brass, copper, iron, steel, etc.

Non-glycol

- Promotes environmental sustainability



Unsurpassed Protection of Aluminum Components

Aluminum is commonly used in modern diesel engine components and cooling systems. When supplemental coolant additives (SCA) mixed with water is used as a coolant, significant corrosion of aluminum components can result.

In testing, Cat ELI demonstrated that it provides significantly better aluminum protection than two commonly used conventional SCA products. In fact, the Cat ELI showed nearly no aluminum corrosion at all.

Years of Caterpillar field experience with marine and industrial engines show similar results. Cat ELI is the best protection you can get for applications where glycol is not desired.

Up to Six Times the Life

The protection provided by Cat ELI lasts three to six times longer than that offered by conventional coolants.

Cat ELC® Extender

The effective life of Cat ELI can be doubled by refreshing its inhibitors with a one-time application of Cat ELC® Extender. Added at 6,000 hours of operation, Cat ELC Extender enables Cat ELI to last up to 12,000 hours (six years) or longer. When changing coolant, the cooling system must be flushed with clean water. Cat ELI makes this easy because its active protection doesn't use the layer of "goo" found with conventional coolants that can be hard to completely drain from the cooling system.

Conventional SCA

3,000 Hour Life

SCA Every 250 Hours

Cat ELI

12,000 Hour Life or 6 Years**
(whichever comes first)

Cat Extender Every 6,000 Hours*

* *Or one-half of the coolant service life*

** *These coolant change intervals are only possible with annual S•O•S℠ Level 2 coolant sampling and analysis*

S•O•S℠ Fluid Analysis

Getting the full life of 12,000 hours, or more, out of Cat ELI is possible with the regular use of S•O•S℠ Fluid Analysis, the ultimate detection and diagnostic tool for your engines.

Refer to the Cat Operation and Maintenance Manual for the recommended intervals of S•O•S Level 1 Coolant Analysis (such as every 250 hours). Level 2 Coolant Analysis is recommended at least annually for all Cat engines and machines.

Typical Characteristics[1]	
ASTM Performance Requirements[2]	ASTM D1384, D2570, D4340
Color	Red
Recommended Dilution Level[3]	7.5%
Freeze protection	
Cat ELI **does not** provide freeze protection	
pH (7.5% solution)	8.5
Nitrite (7.5% solution)	500 ppm
Molybdate (7.5% solution)	530 ppm
Boiling protection at sea level	100°C, 121°C with 1 bar (15psi) pressure cap

1 The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.
2 Exceeds performance requirements for automotive and heavy-duty coolants as specified by ASTM D3306, D4985, D6210.
3 ELI concentration can be determined using a Brix refractometer, part number 360-0774.

Coolant Maintenance Resources

For in-depth information on coolant maintenance, refer to the Cooling System Specifications section of the latest version of SEBU6250 – Caterpillar Machine Fluids Recommendations or SEBU6251 – Caterpillar Commercial Diesel Engine Fluids Recommendations.

Health and Safety

For information on proper use for health, safety, and environment, please refer to the Material Safety Data Sheet (MSDS). Read and understand the MSDS before using this product. Always observe good hygiene measures. For a copy of the MSDS, contact us or visit the web at www.catmsds.com.

CAT DEALERS DEFINE WORLD-CLASS PRODUCT SUPPORT.

We offer you the right parts and service solutions, when and where you need them.

The Cat Dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investment.

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