



CAT® ELC ADVANCED

EXTENDED LIFE COOLANT FOR
CAT AND ORIGINAL EQUIPMENT
MANUFACTURER (OEM) DIESEL,
GASOLINE, AND GAS FUEL ENGINES

50/50 Premix and Concentrate

DISCOVER THE DIFFERENCE

Cat® ELC Advanced is developed, tested, and approved by Caterpillar to meet the same high standards as all Genuine Cat Parts.

- Advanced metal protection incorporates an advanced formula technology with organic acid additive inhibitors for maximum protection of copper, solder, brass, steel, cast iron, and aluminum.
- Excellent passivation and flux compatibility [the formula is compatible with controlled atmosphere brazing (CAB) material and fast passivator properties].
- Excellent aluminum protection (the formula effectively protects aluminum in high temperature applications and eliminates nitrite depletion).
- Expanded elastomer compatibility provides improved mix of inhibitors package.

RECOMMENDED USE

ELC Advanced Antifreeze/Coolant meets or exceeds the specifications of:

- ASTM D6210
- ASTM D3306
- Caterpillar EC-1
- Deutz DQC CB-14
- TMC RP 364, 351 (color)
- Phosphate-free requirement of European OEMs
- Silicate-free requirement of Japanese OEMs



Cat ELC Advanced is phosphate, borate, silicate, 2EHA, and amine free



CAT ELC ADVANCED

CAT ELC ADVANCED FOR MAXIMUM COOLANT LIFE

Cat DEAC™ and Cat NGENC™

 **3,000-Hour Life**
322,000 km (200,000 miles) or 3 years** (whichever comes first)
 Cat Supplemental Coolant Additives Every 250 Hours or 25,000 km (15,000 miles)

Cat ELC Advanced (Machines and Commercial Engines)

 **20,000-Hour Life or 6 Years****
 (whichever comes first)
 Cat Extender Every 6,000 Hours*

Cat ELC Advanced (Truck Engines)

 **1,000,000 km (600,000 miles) or 6 Years****
 (whichever comes first)
 Cat Extender Every 500,000 km (300,000 miles)*

* 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.

Typical Characteristics***	
Color	Red
Boiling Protection with 15 psi (1 bar) radiator 50% Cat ELC Advanced/50% water 60% Cat ELC Advanced/40% water (ELC Advanced concentrate added)	129°C (265°F) 132°C (270°F)
Freeze Protection 50% Cat ELC Advanced/50% water 60% Cat ELC Advanced/40% water (ELC Advanced concentrate added)	-37°C (-34°F) -52°C (-62°F)
Nitrites (50% solution)	550 ppm
Molybdates (50% solution)	250 ppm
pH (50% solution)	8.6

*** 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.

S•O•SSM SERVICES FOR EARLY PROBLEM DETECTION

Protect your investment with Cat S•O•S Coolant Analysis, the ultimate detection and diagnostic tool for your equipment. We recommend S•O•S Level 1 Coolant Analysis according to the engine's Operation and Maintenance Manual, and Level 2 Coolant Analysis annually for all your Cat equipment.

CAT ELC EXTENDER FOR LONGER LIFE

- Exceeds Cat EC-1 performance requirements
- Protects against cylinder liner/block pitting and cavitation erosion
- Should be added at 500,000 km (300,000 miles) for Cat powered on-highway trucks and 6,000 hours for commercial engines
- Ensures Cat ELC Advanced performance to 1,000,000 km (600,000 miles) or 20,000 hours

CAT ELC EXTENDER AND FLUSH INTERVALS

Cat ELC Extender should be added after 6,000 hours or 300,000 miles (500,000 km) of operation, and the system should be drained and flushed with clean water at the OMM (Operation and Maintenance Manual) recommended interval. No cleaning agents are needed. If S•O•S Services are used regularly, safe operation with Cat ELC Advanced may extend beyond the recommended OMM drain interval.

HEALTH AND SAFETY

Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin, or respiratory irritation. Always observe good hygiene measures. Read and understand the Safety Data Sheet (SDS) before using this product. For a copy of the SDS, visit us on 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.

