

Cat® Coolant

Cat offers extended life coolant which protects high-performing equipment and helps support customer's investments. Two options of extended life coolant include Cat ELC which contains Glycol and Cat ELI which is water based coolant that does not contain Glycol. Cat ELC and ELI provide industry leading corrosion resistance and longer engine life.

Extended Life Inhibitor (ELI)

Cat ELI (Extended Life Inhibitor) is a long-lasting coolant for industrial engines working in environments that **do not experience freezing temperatures**. The organic additives in Cat ELI can target specifically the cooling system surfaces that are susceptible to corrosion. 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.

Lowest your cost

- Uses less coolant: ELI lasts three to six times longer than conventional coolants or commercial supplemental coolant additives (SCA) mixed with water
- Reduces maintenance costs due to less frequent checks of coolant health and less replacement of inhibitors
- Reduces number of coolant drains/ flushes

Lowest your downtime and repair cost

- Superior corrosion protection and effective heat transfer

Lower impact on the environment

- No glycol in the formula



*Notes

Cat ELI (Extended Life Inhibitor) generally can be used in many Cat engines, but there are **critical exceptions**, especially for certain marine engines that *require* a glycol-based coolant (like ELC) for cavitation protection. ELI alone are not allowed for use in machines that has no reduction aftertreatment devices, in engines that has AATAC and in Marine engines that have SWAC.

Special Requirements⁽¹⁾

Cat diesel engines equipped with air-to-air aftercooling (ATAAC)	Minimum of 30% glycol is required. 50% Glycol is recommended. Water alone or water with SCA or with ELI is NOT allowed. ⁽²⁾
Cat C7 through C32 marine engines with engine mounted heat exchangers and raw water aftercoolers (SWAC) ⁽³⁾	Minimum of 30% glycol is required. 50% Glycol is recommended. Water alone or water with SCA or with ELI is NOT allowed. ⁽⁴⁾
Cat 3618 engine model	Water based ELI is recommended. Water based SCA is acceptable. Glycol-based coolants are NOT allowed.
Cat C18 SCAC ⁽⁵⁾ , Cat C32 SCAC, and Cat 3500C Tier 3 and Cat 3500E Tier 4 ⁽⁶⁾ certified marine engines	Maximum of 20% glycol is allowed in the aftercooler circuit. ⁽⁷⁾ (not applicable to the jacket water circuit, which is capable of 50% glycol mixture)

Extended Life Coolant (ELC)

If you own a newer piece of Cat equipment, you probably haven't given coolant much thought. That's because your equipment came with Cat Extended Life Coolant (ELC) that lasts for up to 12,000 hours – four times longer than a conventional coolant. It is hands-off and worry-free.

Cat ELC offers an impressive 12,000-hour/6-year drain interval with no fluid sampling required. The coolant system extender at mid-life (6,000 hours or 3 years) helps maintain coolant condition while protecting your equipment.

Factory-Fill

- Used as standard factory-fill for all Cat equipment cooling systems

Lower Your Maintenance Costs

- Reduces engine coolant and additive costs by as much as 500% compared to conventional coolants. It eliminates the need for supplemental coolant additives, extends coolant change-out intervals and reduces disposal requirements.

Advanced Metal Protection

- Incorporates an advanced formula technology with organic
- acid additive corrosion inhibitors, such as a combination of mono and dicarboxylates for maximum protection of copper, solder, brass, steel, cast iron and aluminum.



Cat ELC and ELC Advance Key Differences and Benefits

Notes:

Cat is transitioning its product line and Cat ELC Advanced will replace Cat ELC as the primary extended life coolant option. Cat ELC will be phased out in favor of the enhanced "Advanced" formula.

The information will be updated once Cat ELC Advanced is officially launched.

Feature	Cat ELC	Cat ELC Advanced
Service Interval	12,000 hours / 6 years	20,000 hours / 6 years
Extender Interval	Extender required at 6,000 hours	Extender required at 6,000 hours
Aluminum Protection	Good	Best
Cavitation Test	Good performance	Improved performance in testing
Compatibility	Not compatible with silicone seals	Compatible with new CAB brazed materials

We're Here for You!

Our team is ready to provide additional information beyond what is covered in this brochure. Contact us for a detailed consultation—we are here to help.

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At Tractors Singapore, we ensure that you get the best advice and service from our sales reps to keep your machine performing at its best.

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