

Cat[®] DEAC[™]

Diesel Engine Antifreeze/Coolant for all Cat diesel and spark-ignited engines.

Concentrate



Recommended Use

Cat DEAC is approved for use in all Cat machines, commercial engine and truck engine applications and most diesel, gas or natural gas engines made by other manufacturers.

Discover the Difference

Cat DEAC is developed, tested and approved by Caterpillar to meet the same high standards as Genuine Cat Parts.

Excellent Performance—Contains organic and inorganic corrosion inhibiting and antifoam additives, and provides superior protection against pitting, corrosion and freezing down to -37°C (-34°F).

Convenience—Fully formulated, no pre-mixing with supplemental coolant additive required. Concentrate available in 1- and 55-gallon containers for top-off.

Caterpillar. The difference counts.™

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.

CATERPILLAR[®]

Cat DEAC

Proper Water Quality for Mixing

To maximize the effect of DEAC's inhibitors and prevent chemical incompatibility with your machine's cooling system, it is important to always mix the fluid with deionized or distilled water.

To protect your system from harm, observe the following guidelines:

- Never use salt water or water from a natural body of water
- Select the best quality water available
- Have the water tested by a laboratory
- Never use water alone as coolant

For further information, please see Cat Filter and Fluid Application Guide (PEWJ0074).

Typical Characteristics*

Appearance	Magenta
Boiling protection, °C (°F) 15 psi pressure cap (ASTM D1177)	
50% DEAC/50% water	129 (265)
60% DEAC/40% water (maximum)	132 (270)
Freezing protection, °C (°F)	
50% DEAC/50% water	-37 (-34)
60% DEAC/40% water (maximum)	-52 (-62)
Silicate (concentrate) SiO ₂	900-1100 ppm
Ethylene Glycol (% volume)	95.2% min.
Inhibitors Additives (% volume)	4.3-4.8%

*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.

Cat DEAC meets the following ASTM standards:

Heavy-duty antifreeze/coolants

- ASTM D6210

Automotive applications

- ASTM D3306
- ASTM D4656

Glassware corrosion test

- ASTM D1384

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.

Proper Mixing Procedures

Cooling system problems can also be caused by improper dilution of the coolant/antifreeze concentrate with water. Take the following steps to ensure maximum protection:

- Mix water and concentrate thoroughly
- Always mix in a clean container
- Never pour water and concentrate into the radiator without mixing them first

Recommended Service

- Use the correct amount of Cat Supplemental Coolant Additive at each oil change interval or when testing indicates a need
- Use either Cat Liquid Supplemental Coolant Additive or spin-on elements
- Check the coolant for Supplemental Coolant Additive concentrate level (use Cat Coolant Conditioner Test Kit 8T5269)
- Check the coolant pH at each oil change interval; if it is not between 8.5 and 10.5, find the cause and correct
- Thoroughly flush and refill the cooling system every 3,000 hours, 3 years, or 200,000 miles (321,869 kilometers), whichever comes first

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 engines. We recommend S•O•S Level 1 Coolant Analysis according to the engine's Operation and Maintenance Manual, or Level 2 Coolant Analysis annually for all your Cat equipment.

Cat Filters: Complete protection for your machine

Combine Cat Fluids with Cat Filters for the highest level of contamination control and protection for your machine. We recommend Cat Filters for all Cat machine applications.

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