

Preventive Maintenance Products for Cat® Natural Gas Engines



Dependable Protection and the Lowest Owning and Operating Costs

Cat Natural Gas Engines have earned a reputation for delivering consistent performance with unsurpassed durability, reliability, and economy. Using Cat® Filters and Fluids is the best way to protect this performance and to gain the lowest owning and operating costs.

Because Cat Filters and Fluids are developed alongside of Cat Engines, they provide the unsurpassed protection needed to give you thousands of hours of life between overhauls. Cat maintenance products are also an important part of the dependability that are critical to genset applications, like supplying electricity to the grid, powering an industrial operation, or as primary power in a remotely-located site with a harsh environment.

Cat® Preventive Maintenance Products

- Lube and Natural Gas Filters
- Oil, Grease, and Coolant

Benefits

- Maximize engine life
- Fewer repairs
- Longer change intervals



Cat® Natural Gas Engine Preventive Maintenance



CAT® LUBE FILTERS

CAT ENGINE LUBE FILTERS

The consistent quality of Cat Filters is your best protection. When you see inside a Cat Lube Filter, the difference is clear. The advanced design features combine to deliver maximum filtration efficiency and the protection you need to get the most out of your engine.

Acrylic Beads rigidly maintain pleat spacing to maximize the filtration surface.

Spiral Roving eliminates pleat movement ensuring contaminants are captured and held.

Molded End Caps create an impregnable bound that prevents contaminants from reentering the “clean” side of the filter.

Non-metallic Center Tubes made out of fiberglass-reinforced nylon are stronger and cleaner than the metal center tubes of “will fit” filter providers.

CAT NATURAL GAS FILTERS

Cat Natural Gas Filters protect your engine from the dirt and liquids that are found in natural gas fuel. Carried under pressure, these small particles of sand, clay, iron, pipe scale, water, and oils, etc. can cause premature component wear.

Pleated Media – More than triples filtration area

- Lower differential pressure
- Better efficiency
- High dirt-holding capacity
- Longer change intervals

Multiple Layers – Efficient filtration, strong build

- Pleated media layer holds solid contaminants like sand and pipe scale
- Draining layer removes liquids, such as water and oil
- Support layer adds strength against high pressures and extreme temperatures



CAT® NATURAL GAS FILTERS

Cat[®] Natural Gas Engine Preventive Maintenance

CAT NGE0 EL350 (SAE 40)

Cat NGE0 EL350 is an engine oil designed to deliver the best protection and performance for high-horsepower engines powered by natural gas fuel.

Performance

- Emissions compliance – Compatible with “lean burn” engines and fuels that are low in sulfated ash, phosphorus, and/or sulfur.
- Backwards compatible – Suitable for engines using high-sulfur and bio-based natural gas fuel.

Protection

- Reduced Piston and Cylinder Wear – Reduced oxidation breakdown and thermal degradation improves stability which minimizes the formation of deposits and sludge, even during long periods of high temperatures.
- Increased Spark Plug and Valve Life – Improved detergents keep engine components cleaner and better soot dispersion improves viscosity which controls component wear.
- Superior Corrosion Resistance – Neutralizes acids to prevent rust and copper corrosion.

Extended drain intervals are possible when low-sulfur fuels are used in conjunction with S•O•SSM Oil Analysis.

CAT NGEC

Cat NGEC (Natural Gas Engine Coolant) is a heavy-duty cooling system fluid designed to prevent freezing and boiling while providing superior component protection.

Performance

- Cat NGEC protects the cooling system of your natural gas engine over a temperature range of -34°F (-37°C) to 265°F (129°C). Additional freeze protection can be gained when the coolant concentration is raised to 60%.

Component Protection

- Cat NGEC contains inhibitors that provide superior protection for metal components, especially aluminum, against pitting and corrosion. The formulation of Cat NGEC minimizes the formation of foam.

Simple to Use

- Cat Natural Gas Engine Coolant comes premixed 50/50 with deionized water and eliminates the need for supplemental cooling additives at initial fill. NGEC has a typical service life of 16,000 hours or three years.

CAT ULTRA SYNTHETIC GENERATOR GREASE

- Cat Ultra Synthetic Generator Grease reduces friction which dramatically slows component wear. Formulated to protect from extreme cold to high heat, -58°F TO 356°F (-50°C TO 180°C), Cat Ultra Synthetic Generator Grease stays in place to protect and will not break down.



CAT[®] NGE0™



CAT[®] NGEC™



CAT[®] ULTRA SYNTHETIC GENERATOR GREASE

PROTECTING YOUR INVESTMENT

S•O•SSM SERVICES

S•O•S Services can help you maintain performance throughout the life your engine.

- S•O•S Services are designed to identify problems before they become major repairs. Early detection is the key to reducing downtime and increasing productivity.
- Performance losses and major repairs of lubricated compartments can often be avoided by monitoring fluid samples.
- Overall, you'll get more work done at a lower cost and have equipment worth more at trade-in or sale.

S•O•S Services results are presented in a clear, concise, easy-to-understand report. Trained personnel provide recommendations or specific, immediate actions on each report. If a critical situation is identified, you will be notified immediately.

CAT MAINTENANCE PLANS

A Cat Maintenance Plan with your dealer gathers all the elements of a modern maintenance strategy in one package—from oil analysis, to guaranteed parts availability, to remote equipment management. It's comprehensive—and simple. It's a plan developed just for you and lets you decide whether you want to provide all, some, or none of your own labor.

- Preventive maintenance kits for service at 250, 500, 1000, and 2000 hours
- Guaranteed parts availability
- S•O•S Oil Analysis
- Cat Product Link / Asset Watch subscription standard on the Premium and PlusPlans

Choose the right plan for your business:

BASIC: We provide all kits and an annual technical inspection; you perform the labor.

PLUS: We provide all kits and perform 1,000-hour and 2,000-hour labor; you perform the 250-hour and 500-hour labor. Cat Product Link / Asset Watch subscription standard.

PREMIUM: We provide all maintenance kits and perform all labor. Cat Product Link / Asset Watch subscription standard.



Protect your natural gas engine investment today.

For more information on Cat® Filters and Fluids developed specially for Natural Gas Engines, Cat® Maintenance Plans, and S•O•SSM Services, visit www.cat.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.

