

# Cat<sup>®</sup> SYNTHETIC GO

Synthetic gear oil for specified Caterpillar<sup>®</sup> direct drive transmissions, differentials, final drives, and sealed and lubricated track joints.

SAE 75W-140

## Recommended Use

Cat SYNTHETIC GO is recommended for all systems permitting the use of GL-5 multi-purpose type gear oil, including:

- Cat Wheel Tractor-Scraper and Wheeled and Mini Excavator differentials and final drives, and specified Articulated Truck and Backhoe Loader differentials and final drives
- Auger and Elevator speed reducers
- Pavement Profiler direct drive transmissions, differentials, and final drives
- Vibratory Compactor drum bearings
- Cat Track-Type Tractor and Track-Type Loader sealed and lubricated track joints
- Track-Type Tractor equalizer bar end, base cartridge pins, and track pins
- Motor Grader circle drives

Note: Refer to your machine Operation and Maintenance Manual for specific product application requirements.

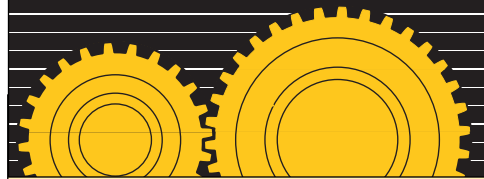
Note: Cat SYNTHETIC GO does not meet Caterpillar TO-4 specification and should not be used in compartments that specify TO-4 oil.

## Information Sources

We can help you determine the right oil for your Cat machines and engines, or you can refer to your Operation and Maintenance Manual or "Caterpillar Machine Fluids Recommendations," SEBU6250.

## Viscosity/Temperature Characteristics for Many Applications

Cat SYNTHETIC GO meets API GL-5, API MT-1, U.S. Military Specification MIL-L-2105E, SAE J2360, and Mack GO-J. Cat SYNTHETIC GO has the viscosity/temperature characteristics that enable it to meet viscosity requirements for applications such as passenger car and truck gear cases requiring SAE 75W to 140 grade products. Its excellent pour point and channel point allow it to provide lubrication protection during cold start-up.



For worldwide use.

## Applications

Cat SYNTHETIC GO 75W-140 is a multi-grade GL-5 service category gear oil intended for use in heavy-duty applications. Tested and approved by Caterpillar, Cat SYNTHETIC GO 75W-140 ensures optimum life and performance over a wide temperature range in Cat machine components that require the API GL-5 extreme pressure performance level.

**Caterpillar. The difference counts.™**

Cat<sup>®</sup> 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 investments.

**CATERPILLAR<sup>®</sup>**

# Cat SYNTHETIC GO

## Typical Characteristics\*

SAE Viscosity Grade	75W-140
Gravity, @ 16° C (60° F)	
API (ASTM D287)	31.7
Specific	.867
Flash Point, ° C (° F) (ASTM D92)	140 (284)
Pour Point, ° C (° F) (ASTM D97)	-46 (-50.8)
Channel Point ° C (° F), max. (FTMS 791A-3458)	-45 (-49)
Viscosity	
cSt @ 40° C (ASTM D445)	185
cSt @ 100° C (ASTM D445)	25
Phosphorus, % wt. (ASTM D1091)	0.141

\*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.

## Advanced Formula for Maximum Performance and Protection

Cat SYNTHETIC GO is an extreme pressure oil made with specially processed base oils. The high viscosity index of the base oil, combined with extreme pressure additives, ensures exceptional chemical and thermal stability. Cat SYNTHETIC GO offers the following benefits:

- Maximum protection against scoring of gear teeth, as well as pitting of gear teeth and rolling element bearings
- Improved galling resistance and reduced seal wear and bushing end grooving in sealed and lubricated track joints
- Excellent stability under high temperature conditions
- Superior low temperature performance, even under arctic conditions
- Protection against corrosion and rust that can result from water contamination or storage in a humid atmosphere
- Extra protection for components that require oils with extreme pressure additives in severe boundary lubrication conditions
- An anti-foaming additive that is compatible with seals and gaskets
- Protection against metal corrosion found in gear sets (beyond the controlled chemical action of the extreme pressure additives)

When the use of gear oil is specified, Cat SYNTHETIC GO maximizes component life.

## 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. For more information, contact us or refer to the Material Safety Data Sheet at [www.catmsds.com](http://www.catmsds.com).

## Customer benefits

- Uninterrupted performance under broad temperature variations
- Excellent protection against wearing and scoring caused by high speed and heavy gear loads
- Superior protection against rusting, staining, and corrosion
- Excellent chemical and thermal stability
- Good foam resistance
- Compatibility with non-silicone seals and gaskets

## Fluid analysis for early detection

We recommend protecting your investment by using scheduled fluid analysis. Our S•O•S<sup>SM</sup> Oil Analysis program is the ultimate detection and diagnostic tool for your equipment, helping you prevent potential problems before they can lead to major failures and costly unscheduled downtime.

For more information, see us today or visit our Web site at [www.CAT.com](http://www.CAT.com)

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