

Cat[®] HYDO[™]

Hydraulic Oil for use in Cat Hydraulic and Hydrostatic Systems.

SAE 10W



Recommended Use

- Preferred lubricant for most Cat Hydraulic and Hydrostatic Systems.
- Appropriate for other manufacturers' machines that recommend oils that pass the Vickers 35VQ25 vane pump test (See "Typical Characteristics" on page 2 for more information)

Discover the Difference

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

Factory-Fill—Used as standard factory-fill for Cat machines.

4000-Hour Drain Intervals—Provides extended oil-change intervals in compartments where recommended.

System-Matched Formula—Engineered as an integral part of Cat Hydraulic and Hydrostatic Systems.

High Zinc Levels—Contains significantly more zinc than industrial hydraulic oils for better anti-wear and water-dispersion performance.

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.

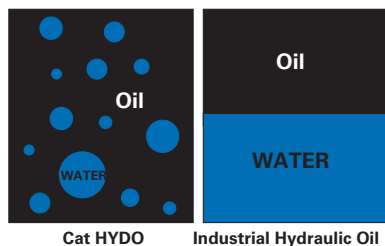
The Cat Dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investment.

CATERPILLAR[®]

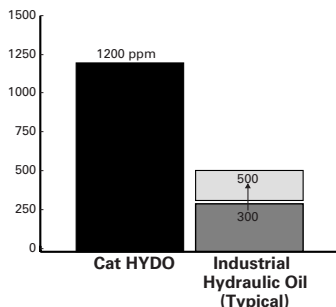
Cat HYDO

Cat HYDO vs. Industrial Hydraulic Oils

Cat HYDO is formulated to hold and disperse water so that it does not harm mobile hydraulic systems. Industrial hydraulic oils—often described as Anti-Wear—do not contain emulsifiers and are specifically designed to separate water as shown below. Separated water drawn through the system can damage pumps and other components. If this water freezes, it can cause even more serious damage. Avoid oils whose specifications indicate that they “separate,” “shed” or “release” water.

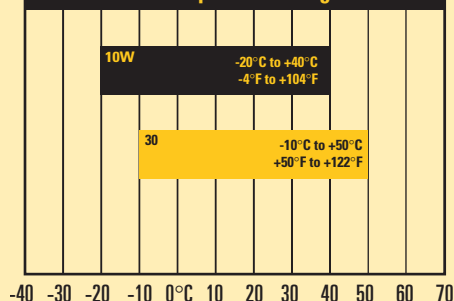


Typical industrial hydraulic oils separate water and oil, which can cause valve sticking or excessive wear on your hydraulic system. Cat HYDO disperses small amounts of water throughout the oil to ensure proper lubrication.



Caterpillar recommends a minimum of 900 ppm zinc for protecting pumps, motors and valves from excessive wear. Cat HYDO contains more than twice as much zinc as typical Anti-Wear industrial hydraulic oil to maximize your hydraulic system's life and performance.

Wider Temperature Range



Other Recommended Oils

To minimize the number of oils on your job site, the following oils can be used as direct replacements for Cat HYDO:

DEO™ 15W-40 MTO **TDTO™ 10W TDTO-TMS™**

For startups in extremely cold temperatures down to -30°C (-22°F), consider using Cat **DEO SYN™ 5W-40**. This is a full synthetic diesel engine oil.

Typical Characteristics*

SAE Viscosity Grade	10W
Gravity, API @ 16°C (ASTM D287)	29.8-29.9
Vickers Vane Pump Test (35VQ25)	Pass
Flash Point, °C (ASTM D92)	226-232
Pour Point, °C (ASTM D97)	-33--30
Pumping @ -30°C mPaS (ASTM D4684 MOD)	19,000-20,000
Viscosity	
cSt @ 40°C (ASTM D445)	37.7-37.9
cSt @ 100°C (ASTM D445)	6.1
Viscosity Index (ASTM D567)	106-107
Foam Test **	
Seq. 1 ml. (ASTM D892)	25/0
Seq. 2 ml. (ASTM D892)	50/0
Seq. 3 ml. (ASTM D892)	25/0
Zinc, % wt. (ASTM D4951)	0.121
Phosphorus, % wt. (ASTM D1091)	0.110

* 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.

** New oil, as received, with 0.1% water by volume added.

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 Material Safety Data Sheet (MSDS) before using this product. For a copy of the MSDS, contact us or visit the web at www.catmsds.com.

S•O•SSM Services for early problem detection

Protect your investment with Cat S•O•S oil analysis, the ultimate detection and diagnostic tool for your equipment. S•O•S helps you detect potential problems before they can lead to major failures and costly, unscheduled downtime.

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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