

HD HYDRAULIC 10W

Heavy-Duty Hydraulic Oil



Features & benefits

- High zinc content
- Exceptional emulsification abilities with water
- Enhanced corrosion and rust protection
- Fast air release properties



Typical results

Test Method	HD Hydraulic 10W
SAE GRADE	10W
VISCOSITY (D445) cSt @ 40°C cSt @ 100°C	40.8 6.8
VISCOSITY INDEX (D2270)	121
ASTM COLOUR (D1500)	2.0
DENSITY @ 15°C (D4052), kg/L	0.85
POUR POINT (D97), °C	-33
FLASH POINT (D93), °C	209
RUST PREVENTION (D665B), 4 hrs	Pass
ZINC CONTENT (D4951), ppm	900
OXIDATION LIFE (D943), hrs	5000+
AIR RELEASE @ 50°C (D3427), mins	4.3
FOAM (D892) SEQ. I (mL/mL) SEQ. II (mL/mL) SEQ. III (mL/mL)	15/0 10/0 0/0

Sizes & order codes

Size	HD Hydraulic 10W
18.9 L (5 US gal)	F0100440
205 L (54.2 US gal)	F0100450
1000 L (264 US gal)	F0100460

HD Hydraulic 10W is a heavy-duty (HD) hydraulic oil formulated with a high zinc content, dispersant, and detergent additives for heavy equipment, including Caterpillar® hydraulic systems and hydrostatic transmissions.

HD Hydraulic 10W is designed for equipment specifying Cat® HYDO™ Advanced 10¹ and other manufacturers' mobile hydraulic units. It was formulated with high-quality group II+ base oils, advanced zinc-based additives and emulsifiers. Typical hydraulic oils will separate from water, but HD Hydraulic 10W is designed to hold onto water. This prevents damage to the hydraulic system's pumps and other components.

HD Hydraulic 10W has enhanced corrosion and rust protection over typical 10W engine or hydraulic oils. Hydraulic 10W passes the rust prevention ASTM D665 test method, indicating the oil's ability to protect iron components in the presence of water.

HD Hydraulic 10W has fast air-release properties and minimizes foam formation to prevent damage from cavitation.

HD Hydraulic 10W should not be used in engines or drivetrain components. For drivetrain components, use TRANSflo TO-4, 10W.

¹ HD Hydraulic 10W is not affiliated with or approved by Caterpillar®

² Use OEM's recommended drain intervals. To extend drain intervals, used oil analysis is always recommended

Always consult your owner's manual for verification of fluid type and grade!

Supporting data available to demonstrate acceptable performance. Check with Sales Associate for the latest product approvals.

Please note these are typical performance indicators and can change without notice.

This data sheet replaces previous versions prior to July 26, 2023.

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