

# AWARD Hydraulic Fluid — High Performance 10W

CATERPILLAR HYDO ADVANCED SPEC HYDRAULIC OIL

## PRODUCT LINE

AWARD Lubricants Hydraulic Fluid — High Performance 10W is a specially formulated hydraulic oil blend, designed to meet the needs of heavy-duty hydraulic systems. High quality ingredients include thermally stable anti-wear agents, ashless dispersants, antifoam materials as well as rust and oxidation inhibitors. Producing a product with excellent protection against wear, corrosion and rusting in hydraulic systems.

## APPLICATIONS

AWARD HP10 features excellent vane pump and piston pump performance. AWARD HP10 resists deterioration and performs at superior levels, even at high operating temperatures, pressures and speeds while low pour point ensures easy system start-up in cold conditions. AWARD HP10 is modeled after the Caterpillar HYDO Advanced 10W, including the minimum zinc level of 900ppm (0.09%) currently required for Caterpillar Hydraulic Systems. AWARD HP10 carries extended drain capabilities out to 6000 hours with 500 hour sampling.

## PERFORMANCE BENEFITS

- 6,000 hour Oil Drain Capability
- Preferred Fill for Caterpillar Equipment
- Rust and oxidation prevention capabilities
- Superior demulsibility, anti-foam characteristics, and hydrolytic stability
- Resists deterioration
- Superior performance at high operating temperatures, pressures and speeds
- Low pour point optimal for North American extreme temperatures

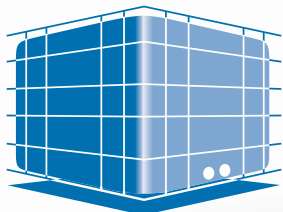
### Available In These Sizes



Pails



Drums



Totes



## TYPICAL PROPERTIES

SAE GRADE	10	ASTM TEST METHOD
SAE Viscosity Grade	10W	-
Viscosity @ -25°C, Cp	4000	D2602
Viscosity @ 40°C, cSt	42.00	D445
Viscosity @ 100°C, cSt	6.7	D445
Viscosity Index	110	D2270
Flash Point, COC, °C (°F)	216 (420)	D92
Pour Point, °C (°F)	-39 (-38)	D97
Color	1.5	D1500
Gravity, °API	31.5	D287
Copper Strip	1A @ 150 °C	D130
Rust Protection	Pass	-
4 Ball	0.37mm	D4172
Dielectric Strength, kv	35	-
FZG Gear	12	D5182
Phosphorous, %	0.12	D4951
Zinc, %	0.14	D4951
35VQ25 Vickers	Pass	-
Pumpability -30 °C mPaS	15000	D4684
Oxidation Stability	4000+	D943
Filterability, Wet	Pass	ISO 13357-1
Air Release 50 °C	4 Minutes	D3427

### Health & Safety

This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

### SDS

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed.

MSDS can be found at: <https://www.afdpetroleum.com/safety>

*\*Always consult with original equipment manufacturer's recommendations for specific performance and viscosity requirements.*

*\*Extending drain intervals should always be undertaken in conjunction with a regular oil analysis program.*

*\*Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations.*

*Product formulations are subject to change without notice.*