



Lotus Lubes™ HD Fleet Hydraulic 10W

PRODUCT DESCRIPTION

Lotus Lubes™ HD Fleet 10W is recommended for use in hydraulic systems and hydrostatic transmissions in off-highway heavy equipment when a premium fluid is recommended. It also meets Caterpillar TO-4 hydraulic 10W performance standards and exceeds zinc anti-wear composition requirements.

FEATURE & BENEFITS

- * Superior wear protection
- * Clean hydraulic systems Less wear especially in vanes and control valves Protects against vane sticking Extends drain intervals with oil analysis
- * Excellent rust and bearing corrosion protection
- * Low-ash content to minimize deposits and keep intake ports clean
- * Exceeds API performance standard CF-2
- * Active detergents and low-ash content reduces port plugging and fouling
- * Special dispersants maintain optimum soot control for optimum lubricant performance
- * Reduces wear at cold start-up temperatures Effective lubrication film strength at high temperatures
- * Long equipment life and lower maintenance costs



TYPICAL PHYSICAL PROPERTIES

SAE Grade	10W
Viscosity, ASTM D 445	
cSt @ 40°C	37.7
cSt @ 100°C	6.1
Viscosity Index, ASTM D 2270	107
Sulfated Ash, wt%, ASTM D 874	0.5
Total Base #, mg KOH/g, ASTM D 2896	4.0
Pour Point, °C, ASTM D 97	-30
Flash Point, °C, ASTM D 92	232
Density @ 15°C kg/l, ASTM D 4052	0.877

Minor variations in typical physical properties may occur from normal manufacturing processes

APPLICATIONS

Recommended by Lotus Lubes™ for use in:

- * Hydraulic systems and components used in conjunction with equipment from leading American, European, and Japanese manufacturers
- * Transmission requirements Allison C-4, Caterpillar CD & TO-2 Fluid, Man 270 (SAE 50)
- * Caterpillar TO-4 hydraulic system standards & zinc content (Hydraulic SAE 10W)
- * On and off-highway industries including: trucking, construction, mining, quarrying, and agriculture