



T5X® Off-Road Mobile Hydraulic Fluid

Phillips 66® T5X Off-Road Mobile Hydraulic Fluid is a high-performance hydraulic fluid designed primarily for use in the hydraulic systems of Caterpillar and other off-highway mobile equipment. It also may be used in the hydrostatic transmissions of some off-road equipment.

T5X Off-Road Mobile Hydraulic Fluid is formulated to provide excellent wear protection, to protect hydraulic system components against rust and corrosion, and to resist foaming. It has excellent oxidation resistance to minimize deposit formation and provide long service life, and high dispersancy-detergency to maintain hydraulic system cleanliness. It contains a high level of zinc-containing antiwear additive to meet Caterpillar requirements for use in the hydraulic systems of Caterpillar equipment. It has a high viscosity index for use over a wide temperature range.

T5X Off-Road Mobile Hydraulic Fluid is recommended for use in a wide range of hydraulic applications in the construction, mining and agricultural industries. However, it is not recommended for use in industrial hydraulic systems where excellent water separation is required, since the dispersant-detergent additives will emulsify some water and hold it in suspension.

Applications

- Hydraulic systems and some hydrostatic transmissions on Caterpillar and other off-highway mobile equipment
- Hydraulic systems operating over a wide temperature range

Features/Benefits

- High viscosity index for use over a wide temperature range
- Excellent wear protection for hydraulic system components
- High dispersancy-detergency for excellent system cleanliness
- Protects against deposit formation
- Protects against rust and corrosion
- Good resistance to foaming

**High-
Performance
Hydraulic
Fluid for Off-
Road Mobile
Equipment**

**KEEPING THE
WORLD
RUNNING
SMOOTHLY.**





T5X[®] Off-Road Mobile Hydraulic Fluid

Typical Properties	
SAE Grade	10W
Specific Gravity @ 60°F	0.872
Density, lbs/gal @ 60°F	7.26
Color, ASTM D1500	L 2.5
Flash Point (COC), °C (°F)	210 (410)
Pour Point, °C (°F)	-39 (-38)
Viscosity, Kinematic	
cSt @ 40°C	48.0
cSt @ 100°C	7.5
Viscosity Index	120
Sulfated Ash, ASTM D874, wt %	1.16
Total Base Number (TBN), ASTM D2896	8.7
Zinc, wt %	0.099

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/EN/products/Pages/MSDS.aspx>.