

# FS HD Premium Off-Road Hydraulic

## Description

FS HD Premium Off-Road Hydraulic is formulated with premium-quality group II base oils combined with a high-zinc universal anti-wear additive package. It also contains additives to provide rust and oxidation protection and foam resistance as well as emulsifiers specially designed to disperse water and improve filterability. This additive system is balanced with high-quality base oils to ensure that the final product provides excellent oxidative and thermal stability. FS HD Premium Off-Road Hydraulic is excellent for high-heat applications.

## Features

- Maximum efficiency of hydraulic systems
- Premium high-zinc anti-wear additive package
- Extended equipment protection against wear, rust, and corrosion
- High viscosity index to minimize oil viscosity change with temperature
- Oxidation stability to protect against gum, sludge, and varnish formation
- Formulated with emulsifiers to disperse water for pump protection and lubrication
- Enhanced thermal stability

## Features

- Systems with vane or axial piston pumps
- Automated machine tools
- Microfiltration systems
- High-pressure systems
- General hydraulic oil in industrial plants
- High-output systems
- Off-road equipment requiring a premium high-zinc anti-wear hydraulic oil

## Meets or Exceeds:

- Denison HF-0, HF-1, HF-2
- Lee-Norse 100-1
- Cincinnati Machine P-68
- B.F. Goodrich 0152
- Racine Variable volume vane pumps
- CAT Hydo Advanced 10 & 30
- DIN 51524 Part 2
- Commercial Hydraulics
- Jeffrey No. 87
- US Steel 136 & 127
- AFNOR E 48-603
- Ford M-6C32
- Vickers M-2950-S (Mobile), I-286-S (Industrial)

## Product Availability

### FS HD Premium Off-Road Hydraulic Oil SAE 10

5 Gal. Pail	Item #267797
55-gal. Drum	Item #241784
265-gal. Drum	Item #241783
Bulk	Item #241782

### FS HD Premium Off-Road Hydraulic Oil SAE 30

5 Gal. Pail	Item #278383
55-gal. Drum	Item #278382
265-gal. Drum	Item #278381
Bulk	Item #278380



## Typical Properties

Test / Description	Specification	
<b>SAE Grade</b>	<b>10W</b>	<b>30</b>
<b>Viscosity @ 100°C (cSt)</b>	6.5	10.6
<b>Viscosity @ 40°C (cSt)</b>	42.0	90.0
<b>Viscosity Index</b>	105	100
<b>Density (lb/gal)</b>	7.26	7.34
<b>Pour Point (°C)</b>	-36	-24
<b>Pour Point (°F)</b>	-33	-11
<b>Flash Point (°C)</b>	205	220
<b>Flash Point (°F)</b>	401	428
<b>Zn (PPM)</b>	900	900
<b>FZG Gear Test</b>	12	12
<b>Rust Test</b>	Pass	0.090
<b>Turbine Oil Stability Test (hrs)</b>	5,000+	5,000+