



# Hydrostatic Fluid

## Hydrostatic Fluid/Anti-Wear Hydraulic Oil ISO 46 MV

### General Description

Hydrostatic Fluid is an exceptional quality hydrostatic and anti-wear ISO 46 multi-viscosity hydraulic oil containing additional additives to prevent wear. It is designed to exceed the performance requirements of many major hydrostatic and hydraulic pump manufacturers.

Hydrostatic Fluid is specially formulated with the highest quality HCG-2 base oils that provide outstanding stability. The fluid is built with a uniquely balanced additive system to provide total anti-wear, anti-rust and complete oxidation, thermal and hydrolytic stability. Additionally, the additive package contains a demulsifying component, which allows any water to be eliminated from the oil.

The added anti-wear agent used in Hydrostatic Fluid helps minimize wear in high speed, high pressure vane, gear, and piston pumps using various metallurgy while meeting the lubrication requirements of hydrostatic pumps and drives.

Hydrostatic Fluid is a multi-viscosity oil formulated with an extremely shear stable viscosity modifier. It provides exceptional low temperature properties enabling performance over a wide range of startup and operating temperatures.

### Features and Benefits

- **Oxidation Control:** Excellent oxidation and thermal stability reduces sludge and varnish providing protection of critical components while extending oil and equipment life.
- **Wear Protection:** The premium anti-wear technology provides exceptional film strength resulting in longer pump life.
- **Filterability:** Superior hydrolytic stability with quick water separation provides protection against filter plugging and damaging deposits.
- **Rust and Corrosion Protection:** Results in the reduction of maintenance due to outstanding rust and corrosion prevention capabilities when moisture is present.
- **Foam Control:** A special anti-foam agent promotes the rapid break up of foam and reduces air entrainment.
- **High Viscosity Index:** The shear stability of Hydrostatic Fluid 46 MV provides exceptional viscosity stability, resulting in consistent operation throughout wide temperature ranges and drain intervals.
- **Reserve Quality:** Hydrostatic Fluid 46 MV has the ability to maintain a high level of performance under the toughest operating and extended drain conditions.

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### Typical Applications/Recommendations

- Denison HF-0, HF-1, HF-2
- Cincinnati Lamb P-70
- Eaton Vickers I-286-S, M2950-S (35VQ25)
- Rexroth, Parker Hannifin, Sauer-Danfoss
- Marzocchi, Racine S
- DIN 51524-2 HLP, GM LS-2, AFNOR 48-603
- U.S. Steel 126, 127, 136
- ASTM D-665, Rust Test A&B: Pass
- ASTM D-943 Oxidation Test: 6000+ Hrs

### Typical Customers

Owners and Operators of:

- Mobile/Industrial Hydraulic Systems
- Electric Utility Maintenance Equipment
- Skid-Steers hydrostats/hydraulics
- Lawn and Turf hydrostats/hydraulics
- Logging operations
- Hydraulic systems recommending a multi-viscosity oil

### Typical Properties

ISO Viscosity Grade	46-MV
Approximate SAE Grade	(5W-20)
API Gravity/Lbs gallon	31.1/7.25
Flash Point, °C /°F	230/445
Viscosity @ 100°C, cSt SUS	8.4 52.1
@ 40°C, cSt SUS	47.6 211
Viscosity Index	153
Pour Point, °C /°F	-48/-54
Brookfield @ -35 °C, cp	11,900
MRV@ -35 °C, cp	8500
Dielectric Strength, KV	40*

\* This Dielectric Strength stated is in new sealed drums, totes, and 2½-gallon containers from CHS Lubricant manufacturing plants.

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

### Health & Safety

A complete safety data sheet is available by calling 1-651-355-8438 or visit [cenex.com/sds-library](http://cenex.com/sds-library).