

United MV (multi-viscosity) Hydraulic Oils are all-season hydraulic lubricants engineered for applications within a wide temperature range. These oils are formulated with rust and oxidation inhibitors, anti-wear agents and anti-foam additives. United MV Hydraulic Oils have good water separation capabilities so that contaminant water may be drained from the reservoir when the machine is at rest. In-plant filtration systems ensure ISO cleanliness standards during blending and packaging, providing a clean product for hydraulic systems.

## Features/Benefits:

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- Maximum efficiency of hydraulic systems
- Inhibited against wear, rust, corrosion, sludge and foaming tendencies
- High viscosity index minimizes oil viscosity change with temperature, ensuring quicker lubrication in cold climates and an adequate fluid film within operating temperatures
- Excellent cold temperature flow

## Applications:

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- Systems having vane or axial piston pumps
- Recommended for micro-filtration systems
- General hydraulic oil in industrial plants
- Mobile equipment requiring premium all-season anti-wear hydraulic oil
- Automated machine tools
- High pressure systems
- High output systems

## Meets or Exceeds:

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- Denison HF-0, HF-1, HF-2
- Racine Variable Volume Vane Pumps
- Jeffrey No. 87
- AFNOR E 48-603
- Ford M-6C32
- Commercial Hydraulics
- Vickers M-2950-S (Mobile), I-286-S (Industrial)
- Cincinnati Machine P-68 (ISO-32), P-70 (ISO-46), P-69 (ISO-68)
- Din 51524 Part 2
- U.S. Steel 136 & 127
- Lee-Norse 100-1
- B.F. Goodrich 0152

# TYPICAL SPECIFICATION DATA

ISO VG	32	46	68
Viscosity @ 100°C, cSt, ASTM D445	6.5	8.4	11.3
Viscosity @ 40°C, cSt ASTM D445	32	46	68
Viscosity Index, ASTM D2270	160	160	160
Specific Gravity (g/ml), ASTM D1298	31.5	32	31.5
Flash Point, °C (°F) (COC) ASTM D92	175 (350)	180 (355)	185 (365)
Pour Point, °C (°F) ASTM D97	-40 (-40)	-40 (-40)	-35 (-31)
Rust Procedure A (distilled water) ASTM D665A	Pass	Pass	Pass
Rust Procedure B (salt water) ASTM D665B	Pass	Pass	Pass
Turbine Oil Stability Test, Hours ASTM D943	5000+	5000+	5000+
Dielectric Strength, ASTM D877, kV	40+		

## Product Availability:

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- 55 Gallon Drum
- 265 Gallon Tote
- Bulk