



CITGO DIMENSION® HYDRAULIC FLUID

Date 1/09

DESCRIPTION: CITGO DIMENSION Hydraulic Fluid is a premium ashless synthetic hydraulic fluid formulated with the highest quality synthetic base stocks and additives. This fluid offers outstanding resistance to sludge formation, chemical stability and anti-wear protection.

QUALITIES: CITGO DIMENSION Hydraulic Fluid offers outstanding low and high temperature performance providing a higher margin of equipment protection, above and beyond the capabilities of comparable mineral oils. The combination of synthetic base stocks and ashless additive package provide a product with exceptional oxidation stability allowing for extended drain and filter change intervals assuring clean systems and trouble free operation.

- Excellent thermal and oxidative stability reducing system deposits resulting in longer fluid life.
- High viscosity index and low pour point allows for operation over a wide temperature range and the performance of multi-grade products without the problems of viscosity loss.
- Excellent corrosion protection.
- Exceptional demulsibility allows for the separation of large amounts of water from the system.
- Exceptional anti-wear properties resulting in the protection of the moving parts.

APPLICATIONS: CITGO DIMENSION Hydraulic Fluid is designed for use in vane, piston, and gear pumps typically found in hydraulic and circulating systems. This fluid is designed to provide the maximum service life to these pumps as well as to other circuit components such as servos and motors.

CITGO Dimension Hydraulic Fluid meets or exceeds the following manufacturer specifications:

- Vickers I-286-S, M-2950-S
- Denison HF-0, HF-1, HF-2
- Cincinnati Machine P-70 (ISO 46)
- U.S. Steel 127, 136

TYPICAL PROPERTIES:

CITGO DIMENSION® HYDRAULIC FLUID

Material Code	632487001
Specific Gravity, 60/60°F	0.8498
Density, lb/gal	7.08
Viscosity, ASTM D 445, cSt at 40°C	43.4
cSt at 100°C	7.29
Viscosity Index, ASTM D 2270	131
Flash Point, ASTM D 92, °C (°F)	266 (510)
Pour Point, ASTM D 97, °C (°F)	-60 (-76)
Color, ASTM D 1500	1.0
Brookfield Viscosity cP at -18°C	1500
cP at -26°C	3340
Water Separation, ASTM D 1401	40/40/0 (5)
Four Ball Wear, ASTM D 4172, 40kg, mm	0.60
Copper Corrosion, ASTM D 130	1B
Rust Protection, ASTM D 665	
DI Water	Pass
Sea Water	Pass
Foam Sequence, ASTM D 892, I, II, III	0,0,0