

# PresurFlo Dielectric™



## Product Description

D-A **PresurFlo Dielectric™** Blue, Amber & Gold hydraulic fluids are a premium quality, high viscosity index, anti-wear hydraulic oil with high dielectric strength (40 kV) for use in electrical service equipment, such as cherry pickers. D-A **PresurFlo Dielectric™** Blue, Amber & Gold hydraulic fluids are designed for use in mobile hydraulic systems operating in environments subject to wide variations in ambient temperatures. D-A **PresurFlo Dielectric™** Blue, Amber & Gold hydraulic fluids are formulated to have both a high viscosity index as well as a low pour point for use over a wider temperature range than conventional anti-wear hydraulic oils. D-A **PresurFlo Dielectric™** Blue, Amber & Gold hydraulic fluids offer the same outstanding wear, foam, and rust and oxidation protection as D-A **PresurFlo™**, yet also offer superior flow properties and pumpability when used in mobile equipment operating in environments exposed to extreme temperature swings. The highly effective zinc dithiophosphate additive system provides excellent wear protection – ensuring long life for hydraulic pumps and motors.

## Typical Applications

The additive system satisfies the requirements for both high pressure industrial and mobile hydraulic systems which call for: Sundstrand, Vickers, and Racine, Denison HF-0 (Dielectric Amber, Gold), HF-1, and HF-2 (Dielectric Blue, Gold), Cincinnati Machine P-68 (Dielectric Amber), P-70 (Dielectric Gold), as well as Vickers M-2950-S and I-286-S. The Dielectric Amber exceeds the requirements of ISO 11158 HM specification. The Dielectric Blue supports the performance requirements for land-based hydraulic system MIL-H-5606 specification, but does not meet the aircraft hydraulic system MIL-PRF-5606-H specification.

D-A **PresurFlo Dielectric™** Blue, Amber and Gold are recommended for the following applications:

- Hydraulic elevators, hoists and lifts
- Mobile, industrial, and marine hydraulic systems operating in cold weather or in locations subject to wide temperature fluctuations
- Electrical service equipment (cherry pickers), mobile construction equipment, and hydraulic control systems for machine tools and presses.

## Typical Properties

Dielectric Hydraulic Oils		Blue	Amber	Gold
ISO Viscosity Grade	Test Method	15	32	46
Viscosity @ 100°C, cSt	ASTM D445	3.8	6.4	8.5
@ 40°C, cSt	ASTM D445	15	32	46
Viscosity Index	ASTM D2270	155	155	162
Pour Point, °F (°C)	ASTM D97	-81.4 (-63)	-59.8 (-51)	-49 (-45)
Flash Point, °F (°C)	ASTM D92	325 (162)	400 (204)	390 (198)
API Gravity	ASTM D4052	35.6	32.1	31.0
Dielectric Strength, kV (min)	ASTM D877	40	40	40
Oxidation Life, Typical Hours	ASTM D943	10,000	10,000	10,000

### D-A Part Number:

Bulk	54961	54971	54981
Tote – 330 Gal	54963	N/A	N/A
Drum – 55 Gal	54962	54972	54982