TARMOND HYFLO ZF

ZINC-FREE HYDRAULIC SYSTEM OILS

Product Description:

Tarmond HyFlo ZF is a high-performance hydraulic oil featuring a zinc-free, low-ash formulation. Refined base oils combined with advanced anti-wear additives deliver excellent viscosity stability, high oxidation resistance and effective foam control. It supports reliable operation in demanding industrial equipment, providing superior power transmission under high pressure and temperature in vane, piston, and gear pumps.

Applications:

Tarmond HyFlo ZF is designed as an environmentally safer alternative to conventional zinc based hydraulic fluid and is an excellent high pressure, high temperature power transfer fluid where vane, piston, and gear pumps are utilized. This fluid may also be used as a general purpose lubricant where straight mineral oils and conventional rust and oxidation inhibited oils are recommended in the appropriate viscosity grade. Such industrial applications may include (but are not limited to) machine tools, presses, die casting, and injection molding machines among others.

Benefits:

- Good thermal stability
- Excellent oxidation resistance
- Load-carrying and wear-resistant performance
- Low pour points ensure fluidity at low temperatures
- Good demulsifying property
- Excellent filterability
- Excellent anti-foaming and release of entrained air
- Zinc-free chemistry, noncorrosive to silver and yellow metals found in some pumps
- Low environmental impact, no heavy metals to contaminate water or soil

Meets the Specifications:

DIN 51524 Part 1 (HL), Part 2 (HLP); ISO 11158 HM; Cincinnati P-68, P-69, P-70; AFNOR NF E 48-603 HL&HM; DENISON HF-0, HF-1, HF-2 Bench Tests; ASTM 6158-05 HM; GB 111181-1-94 HM; Bosch Rexroth 17421-001, RD 220-1/04.03

Please check your owner's manual for the manufacturer's recommended oil viscosity grade and API classification and approvals.

Technical Data:

TARMOND HyFlo ZF	Test Method					
ISO VG	HM	22	32	46	68	100
Density at 15 °C, gr/cm³	ASTM D 1298	0.865	0.870	0.875	0.880	0.890
Viscosity at 40 °C, cSt	ASTM D 445	22	32	46	68	100
Viscosity at 100 °C, cSt	ASTM D 445	4	5	6.5	8.7	11
Viscosity Index	ASTM D 2270	95	95	95	95	95
Zinc, wt %	ASTM D 5185	-	-	-	-	-
Flash Point, °C	ASTM D 92	190	216	220	220	220
Pour Point, °C	ASTM D 97	-33	-33	-30	-30	-30

Above values are the typical values of the products and may vary with each batch.