ProductData Sheet



HYDRAULIC H OILS

Multigrade high viscosity index, high thermal stability, low pour point premium hydraulic fluids developed for use in all types of hydraulic equipment operating in a wide range of temperature conditions.

These products are designed with highly refined lubricating base oils and zinc anti-wear additives for automotive and industrial hydraulic systems, transmissions and pumps.

They also inhibit foam from forming in the oil and offer protection against rust and corrosion in the event of water contamination.

ADVANTAGES

- Exceptional shear stable fluid-film strengths at high temperatures.
- Shear stable viscosity index improver provides longlife, year round protection
- Protects equipment from rust and corrosion, providing long term oxidation stability.
- Excellent anti-wear properties promote protection in pumps, bearings, and other components.

- Outstanding cold temperature flow properties.
- Good de-aeration and low foaming properties.
- Good demulsifying properties allows for rapid condensation/water separation to avoid the formation of water and oil sludge.
- Good elastomer compatibility, avoids shrinkage and swelling of seals.

Meets the following hydraulic oil performance requirements;

- ✓ AFNOR NFE 48-691 (Wet)
- ✓ US Steel 126, 127
- ✓ Denison HF-0, 1, 2
- ✓ DIN 51 524 part 2 (HLP), part 3
- ✓ ASTM D2619 HF-0
- ✓ Sperry Vickers 1-286-S, M-2950-S
- ✓ Cincinnati Machine P68 (ISO 32), P70 (ISO 46), P69 (ISO 68)
- ✓ General Motors LH-04-1, 06-1, 15-1
- √ Saucer Danfoss
- ✓ Rexroth
- ✓ Bosch variable vane pumps

Product Name	Test	Unit	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC
ISO Grade			H15	H22	H32	H46	H68	H100
Hydraulic oil type			HLP 15	HLP 22	HLP 32	HLP 46	HLP 68	HLP 100
acc. to DIN 51 524								
pt 2								
Viscosity @ 40 ºC	ASTM	cSt	15	22	32	46	68	100
	D445							
Viscosity @ 100 ºC	ASTM	cSt	4.0	4.7	6.0	7.8	10.2	14.8
	D445							
Viscosity Index	ASTM		180	140	135	140	135	135
	D2270							
Density @ 15 ºC	ASTM	Kg/m ³	0.86	0.86	0.86	0.88	0.88	0.88
	D4052							
Flashpoint	ASTM	ōС	170	200	210	215	230	230
Cleveland open cut	D92							
Pourpoint	ASTM	ōС	-30	-30	-30	-30	-30	-30
	D97							

Pack Sizes 1000 litre 205 litre 20 litre

The information contained herein is accurate at the time of this review. However specifications change from time to time. Ensure specifications meet equipment manufacture requirements.

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