

## 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.

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

They 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.
- Low foaming properties.
- Good demulsifying properties for rapid condensation/water separation.
- 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 51524 - 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
- ✓ Sauer Danfoss
- ✓ Rexroth
- ✓ Bosch vane pumps

Product Name ISO Grade	Test	Unit	HYDRAULIC H15	HYDRAULIC H22	HYDRAULIC H32	HYDRAULIC H46	HYDRAULIC H68	HYDRAULIC H100
Hydraulic oil type acc. to DIN 51 524 pt 2			HLP 15	HLP 22	HLP 32	HLP 46	HLP 68	HLP 100
Viscosity @ 40 °C	ASTM D445	cSt	15	22	32	46	68	100
Viscosity @ 100 °C	ASTM D445	cSt	3.9	4.8	6.2	8.2	10.6	14.0
Viscosity Index	ASTM D2270		160	145	145	155	145	140
Density @ 15 °C	ASTM D4052	Kg/m <sup>3</sup>	0.85	0.85	0.86	0.86	0.865	0.88
Flashpoint Cleveland open cut	ASTM D92	°C	190	200	210	215	225	230
Pour Point	ASTM D97	°C	-30	-30	-30	-30	-30	-30

Package sizes

1000 litre

205 litre

20 litre