

HYDRAULIC OILS

These products are designed with highly refined lubricating base oils and zinc anti-wear additives, possessing high viscosity indexes and low pour points, for automotive and industrial hydraulic systems which operate at moderate temperatures.

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

ADVANTAGES

- Excellent oxidation stability and resistance to aging.
- Good anti-wear and EP properties promote protection in pumps, bearings, and other components.
- Excellent corrosion and oxidation protection.
- 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 NF E 48-603 (HL)
- ✓ US Steel 126, 127
- ✓ Denison HF-0
- ✓ Hagglunds-Denison Filterability TP02100
- ✓ DIN 51 524 part 1 (HL) & 2 (HLP)
- ✓ Sperry Vickers 1-286-S, M-2950-S

TYPICAL CHARACTERISTICS

Product Name	Test	Unit	15	22	32	46	68	100
ISO Grade								
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	3.4	4.4	5.4	6.8	8.8	11.2
Viscosity Index	ASTM D2270		103	103	103	101	100	98
Density @ 15 °C	ASTM D4052	Kg/m ³	0.87	0.87	0.87	0.87	0.88	0.89
Flashpoint Cleveland open cut	ASTM D92	°C	190	198	210	220	235	240
Pourpoint	ASTM D97	°C	-15	-15	-12	-9	-9	-9
FZG Mechanical gear rig test	51534 pt 2	Load Stage	11	11	11	11	11	11

Package Sizes

1000 litre

205 litre

20 litre

5 litre (Hydraulic 68 only)