

Viscosity Index	ASTM D 2270	22	30	38
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OIL TECH

The Lubrication Specialists

TECHNICAL DATA SHEET

HYDRAULIC HVI OILS

PRODUCT DESCRIPTION

HYDRAULIC HVI OIL Multigrade high viscosity index, high thermal stability, low pour point premium hydraulic fluid.

APPLICATION

HYDRAULIC HVI OILS For use in all types of hydraulic equipment operating in a wide range of temperature conditions.

They 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 corrosion in the event of water contamination.

PERFORMANCE

- Exceptional shear stable fluid-film strengths at high temperature.
- Shear stable viscosity index improver provides long life, 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.

PERFORMANCE CHARACTERISTICS

AFNOR NFE 48-691 (Wet)

Denison HF-0, 1,2

ASTM D2619 HF-0

Cincinnati Machine P68 (ISO 32), P70

US Steel 126, 127

DIN 51 524 part 2 (HLP), part 3

Sperry Vickers 1-286-S, M-2950-S

(ISO 46), P69 (ISO 68)

General Motors LH-04-1, 06-1, 15-1
Rexroth

Saucer Danfoss
Bosch variable vane pumps

HYDRAULIC HVI OILS

TYPICAL INSPECTION

Product Name ISO Grade	Test	Unit	Hydraulic HVI 15	Hydraulic 22	Hydraulic 32	Hydraulic 46	Hydraulic 68	Hydraulic 100
Viscosity @40°C	ASTM D445	cSt	15	22	32	46	68	100
Viscosity @100°C	ASTM	cSt	4.0	4.7	6.0	7.8	10.2	14.8
Viscosity Index	ASTM D2270		180	140	135	140	135	135
Density @15°C	Kg/m ³	0.86	0.86	0.86	0.88	0.88	0.88	0.88
Flashpoint Cleveland open cut	ASTM D92	°C	170	200	210	215	230	230
Pour point	ASTM D97	°C	-30	-30	-30	-30	-30	-30