

NATIONAL Hydraulic Oil HVI

NATIONAL Hydraulic Oil HVI is an advanced high viscosity index hydraulic oil series that offers flawless performance and superior equipment protection under wide temperature variations. It meets all major global hydraulic lubricant OEM requirements to protect the equipment operating in severe climates.

Benefits

- Very high viscosity index and low pour point helps in wide temperature operability.
- Unmatched anti-wear, R&O properties offer component protection and extended machinery life.
- Exceptional oxidation stability reduces deposits, machine maintenance and improves fluid life.
- Better air separation properties prevent cavitation and aeration, thereby reducing system response time.

Meets/Exceeds

- DIN 51524 Part 2 (HLP) & Part 3 (HVLP)
- Denison HF-0, HF-1, HF-2
- Cincinnati Machine P-68, P-69, P-70
- AFNOR NF E 48-603 HM
- ISO 11158 HM & HV
- ASTM D6158 Type HM & HV
- GM LS2

Applications

- Stationary and mobile hydraulic equipment operating in severe conditions.
- Hydraulic systems, Numerically Controlled (CNC) machines, and equipment where servo-valves are used.
- Hydraulic cranes and lifts, loaders, forklifts, excavators, dumpers, etc.,
- Industrial hydraulic equipment in agriculture, construction, road, mining, and other sectors.
- Hydraulic systems of metalworking machines, or circulation systems of industrial machinery.

Product Characteristics

Properties	Test Method	Unit	ISO VG 46	ISO VG 68
Density @ 15 °C	ASTM D4052	kg/L	0.8715	0.8840
Kinematic Viscosity at 100 °C	ASTM D445	cSt	46.7	68.2
Viscosity Index	ASTM D2270	-	147	146
Flash Point, COC	ASTM D92	°C	240	244
Pour Point	ASTM D97	°C	-42	-36
<i>Product Code</i>			<i>505022</i>	<i>506022</i>

- Information, test methods, figures are typical and conform to specification; minor variation may occur.
- Refer Owner's Manual for the manufacturer's recommended performance level, viscosity grade and builder approval requirements.
- Please refer to the product Safety Data Sheet (SDS) for health, safety, and handling information.

