

NATIONAL Hydraulic Oil HP

NATIONAL Hydraulic Oil HP series is an advanced hydraulic oil designed for modern hydraulic machinery, ensuring consistent performance in diverse operating conditions. It satisfies the demands of the latest hydraulic equipment and meets all major global hydraulic OEM requirements.

Benefits

- Balanced anti-wear chemistry reduces wear, protecting components and increasing equipment life.
- Exceptional oxidation stability helps extend oil drain intervals.
- In-built rust & corrosion inhibitors offer protection to spools, valves, and other critical internal components.
- Hydrolytic stability, foam inhibition, and air release boost system efficiency.

Meets/Exceeds

- DIN 51524 Part 2 (HLP)
- Denison HF-0, HF-1, HF-2
- Cincinnati Machine P-68, P-70, P-69
- AFNOR NF E 48-603 HM
- ISO 11158 HM
- ASTM D6158 Type HM
- Eaton Brochure 694 for 35VQ25A (formerly M-2950-S and I-286-S)

Applications

- Stationary and mobile hydraulic equipment operating in severe conditions.
- Industrial hydraulic equipment in agriculture, construction, road building, mining, and other sectors.
- As a circulation oil for moderately loaded gears and bearings.
- Hydraulic applications in industrial machinery such as lathes, milling machines etc.

Product Characteristics

Properties	Test Method	Unit	37	100
Density @ 15 °C	ASTM D4052	kg/L	0.8789	0.8906
Kinematic Viscosity at 40 °C	ASTM D445	cSt	37.1	101
Viscosity Index	ASTM D2270	-	102	96
Flash Point, COC	ASTM D92	°C	238	252
Pour Point	ASTM D97	°C	-24	-21
<i>Product Code</i>			<i>503022</i>	<i>510022</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.

