

PESADO HYDRAULIC OIL HVI

Product Data Sheet

PESADO Hydraulic Oil HVI is a premium quality heavy-duty high viscosity index anti-wear hydraulic fluid formulated with highly refined base oils and advanced additive technology for superior hydraulic system protection under severe operating conditions. It is specially designed for mobile and industrial hydraulic equipment operating across a wide temperature range. The product provides outstanding oxidation stability, excellent wear protection, rust and corrosion resistance, and smooth hydraulic performance during both cold start-up and high-temperature operation. Its high viscosity index ensures stable viscosity and reliable lubrication under varying climatic conditions.

PERFORMANCE, FEATURES & BENEFITS

- Anti wear additives protect pumps and system components
- High viscosity index for excellent temperature-viscosity stability
- Superior anti-wear protection for hydraulic pumps and components
- Excellent oxidation and thermal stability
- Outstanding rust and corrosion protection
- Excellent anti-foam and rapid air release properties
- Good water separation characteristics
- Smooth operation during cold starts and high operating temperatures
- Reduces sludge and varnish formation
- Extends hydraulic equipment service life
- Suitable for severe-duty industrial and mobile applications

MAIN APPLICATIONS

PESADO Hydraulic Oil HVI is suitable for heavy-duty hydraulic systems used in excavators, loaders, forklifts, cranes, construction equipment, mining machinery, agricultural equipment, hydraulic presses, industrial machinery, and mobile hydraulic systems operating under high pressure and varying temperature conditions. It is also suitable for vane, piston, and gear pump hydraulic systems requiring HVLP performance fluids. Specifications,

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SPECIFICATIONS & RECOMMENDATIONS

- DIN 51524 Part 3 HVLP
- ISO 11158 HV
- ISO 6743-4 HV
- Denison HF-0 / HF-1 / HF-2
- Cincinnati Milacron P-68,p-69

PRODUCT SPECIFICATIONS

TEST PARAMETER	TEST METHOD	TYPICAL VALUE			
Grade	-	32	46	68	100
Appearance	Visual	Clear and bright	Clear and bright	Clear and bright	Clear and bright
KV @ 40°C	ASTM D445	32.5	46	68.5	99.5
KV @ 100°C	ASTM D445	6.4	8.2	11.2	15.1
Viscosity Index	ASTM D2270	153	154	156	160
Density @ 15°C	ASTM D4052	0.8681	0.8746	0.8788	0.8818
Flash Point	ASTM D92	≥ 200	≥ 200	≥ 200	≥ 200
Pour Point	ASTM D97	-45	-42	-36	-39

* Note: Typical value; may vary slightly. Please contact your SBK representative for the current batch COA (Certificate Of Analysis)