



HYDRAULIC OIL

HV 100

Product Description:

HYDRAULIC OIL HV 100 is an universal HVI mineral high grade EP oil for use in heavy duty hydraulic systems and light duty gearboxes, bearings and general lubrication. Not suitable for turbine application.

HYDRAULIC OIL HV 100 is formulated with high quality refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

- Excellent stability against oxidation.
- High Viscosity Index.
- Very good protection against wear.
- Good water demulsibility.
- Very good foaming properties.
- Very effective to rust and corrosion.
- Very good thermal stability.

HYDRAULIC OIL HV 100 exceeds the following performance criteria.:

DIN 51524-3 HVLP
AFNOR NF E 48-603 HV

ISO 11158 HV
Sauer Danfoss 520L0463

ASTM D6158 HV



Property	Unit	Test Method	Typical Value
ISO Grade		ISO 3448	100
Density@15°C	kg/m ³	ASTM D4052	881
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	106.0
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	16.1
Viscosity Index		ASTM D2270	163
Flash Point COC	°C	ASTM D92	>205
Pour Point	°C	ASTM D7346	-36
Air Release Value @75°C	Minutes	ASTM D3427	Pass
Demulsibility @82°C	Minutes	ASTM D1401	Pass

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