



PRODUCT DATA SHEET

Havens Hydraulique ZF HVI series

DESCRIPTION

Havens Hydraulique ZF HVI zinc- and ash-free, demulsifying and universally high viscosity index hydraulics oils

Havens Hydraulique ZF HVI series are zinc- and ash-free, demulsifying and universally usable hydraulic and industrial gear oils of the latest generation with excellent ageing stability, outstanding wear protection (FZG A/8.3/90: >12) and high corrosion protection. Havens Hydraulique ZF HVI series oils fulfill and surpass the requirements on hydraulic oils acc. to DIN 51524-3; ISO 6743/4, HV ISO 11158, HV. Denison HF0, HF1, HF2.

APPLICATIONS

Every industrial lubricant recommendation should be done after an expert consultation on the application in question. Only then the best lubricant can be selected. Havens hydraulic oils series "Hydraulique" are fitted to all your industrial applications.

Havens Hydraulique ZF HVI series oils are high grade products, which can be used in all hydraulic systems. **Havens Hydraulique** products are recommended for use in machine tools where contact between hydraulic fluids and metalworking oils can take place.

Available in VG 10, 22, 32, 46, 68, 100, 150.

PERFORMANCE LEVELS

Fulfil and surpass the minimum demands of DIN 51524-3; ISO 6743/4, HV ISO 11158, HV. Denison HF0, HF1, HF2.

TYPICAL PROPERTIES

PARAMETERS	TEST METHOD	UNIT	Havens Hydraulique ZF HVI series			
Product Name	-	-	15	32	46	68
Density at 15 °C, kg/m3	-	kg/m3	859	871	879	882
Flash point Cleveland, °C	-	°C	180	178	186	210
Kinematic viscosity at 40 °C, mm2/s	-	°C, mm2/s	15	32	46	68
Kinematic viscosity at 100 °C, mm2/s	-	°C, mm2/s	3,8	6,3	8,1	11,0
Viscosity Index	ASTM D2270	-	151	152	149	154
Pour point, °C	ASTM D92	°C	-45	-48	-45	-42

The values shown above are typical values at the date of publication. Havens Lubricants reserves the right to change these typical values without prior notice.

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website www.havenslubricants.com.