



PRODUCT DATA SHEET

Havens Hydraulique HLP series

DESCRIPTION

Havens Hydraulique HLP series high detergent HLPD/EP general lubricating and hydraulic oil with excellent corrosion protection

Havens Hydraulique HLP series are hydraulic fluids according to DIN 51 502 with outstanding corrosion protection, powerful cleaning and sludge transportation properties. Contain zinc as well as being detergent and dispersant. Used in a number of hydraulic systems as problem solvers, especially when standard oils cannot fulfil all the requirements.

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 HLP series 10: For machine tool spindles and bobbin bearings in the textile industry. Havens Hydraulique HLP series 22, 32, 68: Heavy-duty hydraulic oils with good corrosion protection up to continuous temperatures of 100 °C, for smaller gearboxes, especially when fitted with electromagnetic clutches. Havens Hydraulique HLP series 100: For larger gearboxes.

PERFORMANCE LEVELS

Fulfil and surpass the minimum demands on HLPD hydraulic oils according to DIN 51 524-2. ISO 6743/4-HM with high DD performance.

TYPICAL PROPERTIES

PARAMETERS	TEST METHOD	UNIT	Havens Hydraulique HLP series						
Product Name	-	-	10	22	32	46	68	100	150
Density at 15 °C, kg/m3	-	kg/m3	845	868	875	877	881	883	889
Flash point Cleveland, °C	-	°C	168	165	210	220	225	248	250
Kinematic viscosity at 40 °C, mm2/s	-	°C, mm2/s	10	22	32	46	68	100	150
Kinematic viscosity at 100 °C, mm2/s	-	°C, mm2/s	2.7	4,3	5,4	6,9	8,9	11,4	14,8
Viscosity Index	ASTM D2270	-	108	105	102	105	105	100	98
Pour point, °C	ASTM D92	°C	-33	-30	-30	-27	-24	-18	-18

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.