

# oilfino Hedera HLP-D zinc-free



## DESCRIPTION

**oilfino Hedera HLP-D zinc-free** are detergent and dispersing hydraulic oils based on mineral oil with wear-reducing additives. Applicable for stationary hydraulics, mobile hydraulics, hydraulic controls and other hydraulic systems.

## PROPERTIES

Deposits and impurities in system components can be dissolved and kept in suspension in the hydraulic system. Condensed water and system penetrating water will be emulsified without significant impact on excellent lubrication and corrosion protection properties. Even under extremely difficult conditions, risk of contamination or wear related malfunctions in hydraulic systems can be minimised. oilfino Hedera HLP-D zinc-free is applicable for all hydraulic systems in which HLP oils are prescribed.

## SPECIFICATIONS

- DIN 51524, Part 2, designation HLP-D
- ISO 11158, designation HM (except demulsibility)

## PERFORMANCE LEVEL

- SEB 181 222
- DBL 6713

Specific Data	Method	Unit	oilfino Hedera HLP-D zinc-free			
Viscosity grade ISO VG			22	32	46	68
Density at 15°C	D 4052	kg/m <sup>3</sup>	865	873	880	882
Kinematic viscosity at 40°C	D 445	mm <sup>2</sup> /s	22	32	45	68
Kinematic viscosity at 100°C	D 445	mm <sup>2</sup> /s	4,3	5,4	6,7	8,6
Flash point COC	D 92	°C	195	205	210	225
Pour point	D 97	°C	-30	-27	-27	-24
Vehicle test A/8.3/90	DIN 51354		>12	>12	>12	>12
Load capacity according to Brugger	DIN 51347	N/mm <sup>2</sup>	37	44	44	47

*Information are provided to the best of our knowledge; no responsibility is taken for information accuracy. Technical data contain average values and are subject to accepted production variations. Due to continual product research and development, the information contained herein are subject to changes without notification.*