

ALPINE® HLP

HLP hydraulic oils

Properties

ALPINE HLP are high-quality hydraulic oils based on mineral oil with highly effective additives to reduce wear. They are characterized by the following properties:

- Wear-reducing and load-carrying
- Very high oxidation stability
- Prevents corrosion and foaming
- Excellent hydrolytic stability
- High thermal stability
- Good demulsibility
- Compatibility with sealing materials

Application notes

ALPINE HLP hydraulic oils are universally applicable in all hydraulic systems, even under the most difficult conditions. In thermally highly loaded hydraulic systems with high-pressure pumps of all types, in sensitive control systems, also for the supply of small gears and for use in circulation systems.

Service description

Specifications:

- DIN 51524/2 HLP
- ISO11158 oder AFNOR NF E 48-603 HM

TYPICAL PARAMETERS	METHODS	UNITS	ALPINE HLP					
			10	22	32	46	68	100
Density at 15°C	DIN EN ISO 12185	kg/m ³	854	855	858	864	881	878
Viscosity at 40°C	DIN 51 562	mm ² /s	9.7	22.4	31.4	45.0	69.6	98.9
Viscosity at 100°C	DIN 51 562	mm ² /s	2.7	4.5	5.6	7.0	8.7	11.7
Viscosity index (VI)	DIN ISO 2909	-	98	111	114	116	96	105
Pour point	DIN ISO 3016	°C	-33	-30	-27	-30	-27	-24
Flash point COC	DIN ISO 2592	°C	170	210	230	240	245	240

* meets the requirements of the OEM manufacturer.
The stated values may vary within the usual commercial range.