

Aykos Hydro HLP ISO VG 46



HLP - Hydraulic oil to DIN 51524, Part 2

Product description and properties

Aykos Hydro HLP ISO VG 46 is a hydraulic oil based on selected mineral oil raffinates. In combination with the latest generation of additives, it offers properties that not only fulfil the requirements of DIN 51 524 Part 2, but also exceed them.

Aykos Hydro HLP ISO VG 46 provides:

- Very good wear protection and high-pressure resistance
- Outstanding thermal stability and oxidation resistance
- Effective corrosion protection for maximum component safety
- Good compatibility with material coatings and sealing materials
- Easy and unproblematic filterability

Application

Aykos Hydro HLP ISO VG 46 is a hydraulic oil that is used in mobile and stationary hydraulic systems such as construction machinery, vehicles, machine tools or presses. It can also be used to lubricate low load rolling and plain bearings as well as gearboxes, provided this is authorised by the manufacturers of the units.

Specifications / Recommendations

DIN 51 524-2 (HM)

ASTM D 6158 (HM)

Eaton E-FDGN-TBoo2-E

GB 111158.1-2011 (L-HL, L-HM)

ISO 11158 (HM)

Parker (Denison) HF-0, HF-1, HF-2 (HM)

SEB 181222

AIST 126

Bosch Rexroth RDE 90235

Fives P68, P69, P70 (HM)

GM LS-2

JCMAS P041 HK Hydraulic specification

SAE MS 1004 (HM)

Reference values

Aykos Hydro HLP ISO VG 46	unit	value	Method
ISO-VG class		46	DIN 51 519
Density at 15°C	kg/m ³	864	DIN 51 757
Kinematic viscosity at 40°C	mm ² /s	45,6	DIN 51 562
Kinematic viscosity at 100°C	mm ² /s	6,9	DIN 51 562
Viscosity index		109	DIN ISO 2909
Pourpoint	°C	-36	DIN ISO 3016
Flashpoint	°C	236	DIN ISO 2592
Air release capacity at 50°C	Minuten	5	DIN 51 381
Water content	Gew. %	< 0,02	DIN 51 777 T.1
FZG-Test (A/8,3/90/20)	Damage strength level	>=12	DIN 51 354 T. 2

Article no: 119751-XXX

We reserve the right to make changes to the technical data.
Please observe the regulations of the machine manufacturer.
For further information, please refer to the safety data sheet.

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