

# Hydro HLP 46

## Description and Properties:

**Hydro HLP 46** is a hydraulic Oil meeting DIN 51524, Part 2.

**Hydro HLP 46** is a hydraulic oil produced from high quality mineral base stocks. This combined with new generation additives create product properties, which meet and even exceed the requirements of DIN 51 524 part 2.

Especially to be highlighted are:

- fast demulsifying power
- good air release and excellent foaming tendency
- extreme pressure stability and very good wear protection
- excellent thermal and oxidation stability
- secured protection against corrosion
- good compatibility with material coatings and elastomers
- trouble-free filtrability
- 

## Application:

**Hydro HLP 46** hydraulic oil is used in steady state and in mobile hydraulic units like construction machines or -vehicles and in machine tools or presses. Furthermore, it may be used for the lubrication of slightly loaded roller and slide bearings and for gears, if this is accepted by the constructor of these aggregates.

## Specification / Recommendations:

DIN 51 524-2 (HM)

AIST 126

ASTM D 6158 (HM)

Bosch Rexroth RDE 90235

Eaton E-FDGN-TBoo2-E

Fives P68, P69, P70 (HM)

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

GM LS-2

ISO 11158 (HM)

JCMAS P041 HK Hydraulic specification

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

SAE MS 1004 (HM)

SEB 181222

## Typical Values:

Hydro HLP 46	Unit	Value	Method
Density at 15	kg/m <sup>3</sup>	864	DIN 51 757
Viscosity at 40°C	mm <sup>2</sup> /s	45,6	DIN 51 562
Viscosity at 100°C	mm <sup>2</sup> /s	6,9	DIN 51 562
Viscosity Index		109	DIN ISO 2909
Pourpoint	°C	-36	DIN ISO 3016
Flash Point	°C	236	DIN ISO 2592
Air release at 50°C	Minutes	5	DIN 51 381
Water content	wt. %	<0,02	DIN 51 777 T.1

*Specification variations in these characteristics may occur. The instructions of manufacturer must be regarded.*

*Further information available by MSDS.*

## Hengst SE

Nienkamp 55-85

48147 Münster

Germany

Tel.: +49 251 20202-0