

Description

Mineral hydraulic oil with the classification type HDY acc. to DIN 51524 Part 2. Contains select agents to improve the aging resistance in the wear and corrosion protection as well as the EP properties. Ideally suited in systems in which high thermal loads may arise.

Properties

- high lubrication reliability
- outstanding corrosion protection
- outstanding thermal stability
- high resistance to aging
- does not attack common sealing materials
- excellent wear resistance

Approvals

Hydrauliköl DIN 51524 Teil 2 HDY 68

Technical data

ISO viscosity class	VG 68 DIN 51519
Density at 59 °F	0,885 g/cm ³ DIN 51757
Viscosity at 104 °F	68 mm ² /s ASTM D 7042-04
Viscosity at 212 °F	8,6 mm ² /s ASTM D 7042-04
Viscosity index	97 DIN ISO 2909
Pour point	-16 °F DIN ISO 3016
Flash point	464 °F DIN ISO 2592
Demulgation characteristics at 129 °F	<= 30 min DIN ISO 6614
Foaming behavior at 75 °F	30/0 ml ISO 6247
Foaming behavior at 200 °F	50/0 ml ISO 6247
Foaming behavior at 75 °F after 200 °F	30/0 ml ISO 6247
Air separation capacity	<= 13 min DIN ISO 9120
Corrosion effect on steel	0-B DIN ISO 7120
Corrosion effect on copper	1-125 A3 DIN EN ISO 2160
Neutralization number	0,5 mg KOH/g DIN 51558 T1



Technical data

Neutralization number after 1000 h	< 2 mg KOH/g DIN 51587
Oxide ash	0,16 g/100g DIN EN ISO 6245
Sulfate ash	0,17 g/100g DIN 51575
FZG gear rig test, standard test A/8, 3/90	Schadenskraftstufe >10, Spez.Gew.Änderung <0,27 mg/KWh DIN 51354
Color number (ASTM)	L 1,5 DIN ISO 2049

Areas of application

For stationary and mobile applications in hydraulic systems in construction, forestry and agricultural machinery such as excavators, tractors etc., hoists, industrial machinery and machine tools, wood splitters, lifting platforms and presses, etc. Due to its good compatibility with materials, this Nordsen hydraulic oil can be used in the most common pump systems in hydraulic units. This hydraulic oil can also be used with all mineral-oil-compatible sealing materials and coatings.

Application

The specifications and instructions from the unit or vehicle manufacturer must be followed. Optimum effectiveness is only possible when the product is used unmixed.

Our information is based on thorough research and may be considered reliable, although not legally binding.

