Aminol Hydraulic HLP 320
Product Data Sheet
Hydraulic oil

Product description

Aminol Hydraulic HLP 320 is a premium hydraulic fluid formulated from highly refined mineral oil, enriched with a precisely balanced additive system. Specifically designed to meet the demands of high-pressure and high-output hydraulic systems, it offers enhanced performance, including increased oil life, exceptional wear protection, and excellent control over deposits in various processes.

Application

• Hydraulic systems are critical to deposit build-up or where sludge and deposits form with conventional products
• Hydraulic systems requiring a high load-carrying capability and anti-wear protection, and when thin oil-film corrosion protection is an asset
• Where small amounts of water are unavoidable
• Systems containing gears and bearings
• Machines employing a wide range of components using various metallurgies

Features & Benefits

• Exceptional thermal and oxidation stability
• Superior wear resistance
• Enhanced corrosion protection
• Controlled demulsibility
• Excellent anti-foam properties
• Neutral to seal materials

Typical Properties

Property	Unit	Test method	Typical value
ISO viscosity grade	-	-	320
Density at 15°C	g/cm3	ASTM D4052	0.898
Kinematic Viscosity at 40°C	mm2/s	ASTM D445	320
Kinematic Viscosity at 100°C	mm2/s	ASTM D445	23.3
Viscosity Index	-	ASTM D2270	91
Flash Point (COC)	°C	ASTM D92	264
Pour Point	°C	ASTM D97	-9
Water separability	min	ASTM D1401	20
-time to 3 ml emulsion min	min	ASTM D1401	<1.5
Oxidation Stability after 1000h/TAN increase	min	ASTM D3427	1
Copper Strip Corrosion, 3 h, 100 °C	-	ASTM D130	Pass

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Rust-Preventing Characteristics, A&B	-	ASTM D665	Pass

Typical property characteristics are based on current production. Whilst future production will conform to Aminol specifications, variations in these characteristics may occur.

Performance claims

- DIN 51524 -2
- ISO 11158 (HM)
- ISO 6743-4 (HM)
- SAE MS 1004
- US STEEL - 126/127
- Denison HF-0/HF-1/HF-2
- ASTM D6158 (HM)
- Eaton E-FDGN-TB002-E
- JCMAS P041 HK
- GM LS-2
- SEB 181222

Health, Safety & Environment

Health and Safety

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained. For further guidance on Product Health & Safety, refer to the appropriate Safety Data Sheet, which can be obtained upon request or through our website: www.aminol.az

Protect the Environment

Take used oil to an authorized collection point. Do not discharge into drains, soil, or water.

Available pack sizes

- 1 L Canister plastic
- 4 L Canister plastic
- 5 L Canister plastic
- 7 L Canister plastic
- 20 L Canister plastic
- 30 L Canister plastic
- 200 L Drum sheet metal
- 1000 L Container

Storage

- We recommend to store all packages under cover.

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- Where outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings.
- Products should not be stored above 60 °C, exposed to hot sun, or freezing conditions.

Notes

This data sheet and the information it contains are believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application, and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by ALCO LLC for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services, and information supplied are provided under our standard conditions of sale. You should consult our sales specialists if you require any further information.

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