



Aminol Gear Oil CLP 320

Product Data Sheet

Industrial gear oil

Product description

Aminol Gear Oil CLP 320 is a premium quality industrial gear oil with outstanding extreme pressure characteristics, made of carefully selected base stocks and the latest sulfur phosphorus additives. Its special active substance combination offers an excellent load-carrying capacity and micro-pitting performance, providing long component life even under shock-loading conditions.

Application

Aminol Gear Oil CLP 320 is recommended for industrial applications operating under heavy-duty conditions, such as those involving heavy loading, slow speeds, shock loads, and wide extremes of temperature. This includes, but is not limited to, enclosed industrial spur, bevel, herringbone, helical, and epicyclic gears, chain drives, sprockets, and most metal-on-metal systems requiring extreme-pressure lubricant.

Features & Benefits

- Outstanding wear protection
- Exceptional sludge and deposit control
- Low tendency to foam
- Excellent anti-corrosion properties
- High pressure-absorption capability
- Extended equipment life
- Better compatibility with seal materials

Typical Properties

Property	Unit	Test method	Typical value
ISO viscosity grade	-	-	320
Density at 15°C	g/cm ³	ASTM D4052	0.899
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	320.0
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	23.18
Viscosity Index	-	ASTM D2270	90
Flash Point (COC)	°C	ASTM D92	252
Pour Point	°C	ASTM D7346	-12
Copper Strip Corrosion	-	ASTM D 130	1
Water Separability			
-time to 3 ml emulsion, min.	-	ASTM D 7451	40
FZG EP Wear Test (A 8.3/90)			
-Failure Load Stage	-	ASTM D 5182	12



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

Performance claims

- AIST 224
- David Brown S1.53.101(E)
- AGMA 9005-E02
- DIN 51517-3 (CLP)

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 | • 20 L Canister plastic |
| • 4 L Canister plastic | • 30 L Canister plastic |
| • 5 L Canister plastic | • 200 L Drum sheet metal |
| • 7 L Canister plastic | • 1000 L Container |

Storage

- We recommend to store all packages under cover.
- 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



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