

# Sinova Marine GEAR SYN 320

Industrial gear oil

## Product description:

Sinova Marine GEAR SYN 320 is a fully synthetic, premium-performance, extreme-pressure lubricant designed explicitly for enclosed industrial gears and bearings that operate under severe load conditions and extreme temperatures. Formulated using synthetic PAO base oils and specially selected additive technologies, it provides excellent protection against corrosion, wear, and micro-pitting. It offers an extended oil service life due to its exceptional thermal stability.

## Application:

Sinova Marine GEAR SYN 320 is suitable for industrial transmissions, where roller and plain bearings are subjected to high pressure, as well as for large-scale plants with pressure-feed lubrication systems.

## Features & Benefits

- Long drain intervals
- Exceptional film strength and extreme pressure resistance
- Robust protection against rust and corrosion
- Extended equipment life
- Effective water separation and demulsification characteristics
- Low foaming tendency

## Typical Properties

Property	Unit	Test method	Typical value
ISO viscosity grade	-	-	320
Density at 15°C	g/cm <sup>3</sup>	ASTM D 4052	0.855
Kinematic Viscosity at 40°C	mm <sup>2</sup> /s	ASTM D 445	320.0
Kinematic Viscosity at 100°C	mm <sup>2</sup> /s	ASTM D 445	37.92
Viscosity Index	-	ASTM D 2270	168
Flash Point, COC	°C	ASTM D 92	260
Pour Point	°C	ASTM D 7346	-36
Copper Strip Corrosion	-	ASTM D 130	1b

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

## Performance claims

- AIST 224
- AGMA 9005-F16-AS
- DIN51517-3 (CLP)
- ISO 12925-1 Type CKD
- FAG
- SKF

# Sinova Marine GEAR SYN 320

**Industrial gear oil****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.sinovagroup.ch](http://www.sinovagroup.ch)**

**Protect the Environment**

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

**Available pack sizes:**

- 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.
- 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 is 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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