

# Sinova Marine GEAR SYN 100

## Industrial gear oil

### Product description:

Sinova Marine GEAR SYN 100 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 100 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          | -                  | -           | 100           |
| Density at 15°C              | g/cm <sup>3</sup>  | ASTM D 4052 | 0.833         |
| Kinematic Viscosity at 40°C  | mm <sup>2</sup> /s | ASTM D 445  | 100.0         |
| Kinematic Viscosity at 100°C | mm <sup>2</sup> /s | ASTM D 445  | 15.37         |
| Viscosity Index              | -                  | ASTM D 2270 | 162           |
| Flash Point, COC             | °C                 | ASTM D 92   | 240           |
| Pour Point                   | °C                 | ASTM D 7346 | -42           |
| 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         | • DIN51517-3 (CLP)     | • FAG |
| • AGMA 9005-F16-AS | • ISO 12925-1 Type CKD | • SKF |

# Sinova Marine GEAR SYN 100

**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**

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