

# Trent Industrial Gear Oil SH 320

PAO Synthetic lubricant for enclosed gears Polyalphaolefin

## Description

Trent Industrial Gear Oil SH 320 is Polyalphaolefin (PAO) and has been developed for enclosed industrial gears to provide optimum gear protection against micro pitting and bearing protection against scuffing under very severe conditions also suitable for bevel and spur gears and heavily loaded bearings and gear couplings.

## Application

All POLYALPHAOLEFIN (or PAO) based lubricants, such as Trent Industrial Gear SH 320, are incompatible with (PAG) synthetic oils. Please use as received.

## Performance Profile

- DIN 51517 Part 3 group CLP

## Advantages

- Very high protection (high and low temps) from micro pitting scuffing wear (GFT - class: high)
- Excellent extreme-pressure performance: protection against high loads.
- Extremely high natural viscosity index: (shear stable) and low friction coefficient.
- Very low pour point: operation at very low temperatures.
- Exceptionally good resistance to oxidation: operation at high temperatures, and lifetime increased by a factor of 2 to 4.
- Compatible with seals and metals containing copper.

### Typical Inspection Data

Property	Method	Units	Inspection Data
Viscosity Grade	-	-	320
Viscosity at 40°C	ISO 3104	mm <sup>2</sup> /s	313.8
Viscosity at 100°C	ISO 3104	mm <sup>2</sup> /s	34.6
Flash Point	ISO 2592	°C	>230
Viscosity Index	ISO 2909	-	155
Specific Gravity @ 15.6°C	ISO 3675	kg/m <sup>3</sup>	0.8617

## Health and Safety

For Health and safety issues, please consult the relevant Trent Safety Data Sheet.

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Prior to using this product, consult the Material Safety Data Sheet for instructions regarding safe handling and environmental issues. The information contained herein is based on data available to us and is believed to be accurate. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR TO BE IMPLIED, REGARDING THE ACCURACY OF THESE DATA. THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, OR THE HAZARDS CONNECTED WITH THE USE OF THE PRODUCT. Trent Oil Lubricants Ltd. assumes no liability for any alleged ineffectiveness of the product or any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is solely attributable to negligence on the part of Trent Oil Lubricants Ltd.



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technical data