

Trent Industrial Gear Oil SY 460

PAG Synthetic lubricant for enclosed gears Polyglycol

Description

Trent Industrial Gear Oil SY 460 is Polyglycol (PAG) for the lubrication of gears operating under the most severe conditions (high loads, shocks, extreme temperatures, and corrosive atmospheres) and is also suitable for the lubrication of worm gears.

Application

All POLYGLYCOL (or PAG) based lubricants, such as Trent Industrial Gear SY 460, are incompatible with most mineral and synthetic oils (PAO).

Compatibility with the gearbox's components (seals, paints) must be checked.

Please use as received.

Performance Profile

- DIN 51517 Part 3 group CLP

Advantages

- Extremely high and shear stable viscosity index.
- Low coefficient of friction: greater protection for non-ferrous parts, such as the bronze ring gear in worm gears systems, offering an energy saving of between 5 and 10% compared with a mineral oil.
- Excellent thermal stability: extended oil lifetime.
- Very good foaming behaviour.
- Excellent extreme pressure and anti-wear properties.
- Very high-level corrosion protection (tested with sea and acidic water).

Typical Inspection Data

Property	Method	Units	Inspection Data
Viscosity Grade	-	-	460
Viscosity at 40°C	ISO 3104	mm ² /s	460
Viscosity at 100°C	ISO 3104	mm ² /s	71
Flash Point	ISO 2592	°C	>230
Viscosity Index	ISO 2909	-	230
Specific Gravity @ 15.6°C	ISO 3675	kg/m ³	1.003

Health and Safety

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

January 2017

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