

HIGHTEC NATSYNC[®] GS 150 PLUS

Climate friendly high-performance gear oil with superior energy saving potential. Efficient and sustainable.

Description

HIGHTEC NATSYNC[®] GS 150 PLUS is based on selected high-oleic oils and is clearly superior to mineral oil-based and synthetic gear oils in terms of lubricating properties, wear reduction and pressure-viscosity behavior. With HIGHTEC NATSYNC[®] GS 150 PLUS, the working temperature can be reduced significantly, especially in plain bearings. Absolutely shear stable. Free from ash, metals, chlorine and PCB

Application

HIGHTEC NATSYNC[®] GS 150 PLUS is optimized for industrial indoor use, it is particularly suitable for closed industrial gears such as spur gears, worm gears or gear couplings. The high-oleic technology guarantees smooth use in roller and plain bearings with high pressure loads. HIGHTEC NATSYNC[®] GS 150 PLUS is also used in other areas such as hydraulic systems where a higher viscosity high-performance oil is required.

Advantages

- less toxic than mineral oil-based lubricants
- high natural viscosity index over the entire service life
- significant reduction in working temperature
- extended oil change intervals compared to mineral oil
- easily biodegradable, OECD 301B 60%
- proportion of CO₂-neutral base oils > 50%
- climate-friendly
- sustainable environmental protection

Notes

- HIGHTEC NATSYNC[®] GS 150 PLUS meets the criteria for food grade lubricants of class H1 according to U.S. Food and Drug Administration Code of Federal Regulations (FDA-21 CFR).



Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.923
Kinematic viscosity KV 100	ASTM D-7042	mm ² /s	22,5
Kinematic viscosity KV 40	ASTM D-7042	mm ² /s	150
Viscosity index	ASTM D2270	-	178
Foaming behaviour at 24°C	ASTM D 892	ml/ml	10/0
Foaming behaviour at 93.5°C	ASTM D 892	ml/ml	15/0
Foaming behaviour at 24°C to 93.5°C	ASTM D 892	ml/ml	10/0
Biodegradability	OECD 301 B	%	>60
Renewable Resource Content		%	>50
VKA welding force	DIN 51 350/4	N	3400
FZG A/8.3/90 (min)	DIN 51354/2	SKS	>12
Flash point COC	DIN ISO 2592	°C	220

These characteristics are typical for current production. The data does not constitute an assurance of properties or a guarantee of suitability for a specific application. Existing legal provisions and regulations that affect handling and usage of the products must be observed by the recipient of our products. ROWE products are continuously being developed. For this reason, ROWE retains the right to change all technical data in this product information at any time without prior announcement. Our current General Delivery and Payment Conditions apply (www.rowe-oil.com).

