Product information

SynGear PS Series

Premium industrial gear/bearing

Your benefits at a glance

- High scuffing protection
- Excellent wear protection
- Good shear stability
- Excellent ageing and oxidation resistance
- Low foaming tendency
- Anti-corrosive properties

Your requirements - our solution

Summit SynGear PS Series is a specially formulated high performance lubricant designed for heavy-duty industrial gear systems. The advanced additive package incorporated in this industrial gear oil provides high scuffing protection, excellent wear protection and good shear stability. SynGear PS Series offers a longer service life than standard mineral based gear oils due to the excellent ageing and oxidation resistance of the selected raw materials. Its low foaming tendency and anti-corrosive properties enable problem free gear operation.

SynGear PS Series is specifically developed for the lubrication of industrial spur, helical, and bevel enclosed gearing which is subject to high loads.

Application notes

SynGear PS Series can be applied by means of immersion, immersion circulation or injection. The use of drip-free oilers, brushes, oil cans or automatic lubricating systems is also possible.

° C	-35	-30	215	230	235
° F	-31	-22	419	446	455

Material safety data sheets

Material safety data sheets can be requested via our website https://www.klsummit.com. You may also obtain them through your contact person at Summit Lubrication.

Application

Characteristics	SynGear PS-150	SynGear PS-220	SynGear PS-320	SynGear PS-460
Article number	340480	340551	340535	340552
Density, 20°C	approx. 0.875 g/cm³	approx. 0.880 g/cm³	approx. 0.884 g/cm³	approx. 0.890 g/cm³
Flash point, ASTM D92, Cleveland open cup	≥ 220 °C	≥ 220 °C	≥ 220 °C	≥ 220 °C
ISO viscosity grade, DIN ISO 3448, ISO VG	150	220	320	460
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 14.8 mm²/s	approx. 19.0 mm²/s	approx. 24.5 mm²/s	approx. 31.8 mm²/s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 150 mm²/s	approx. 218 mm²/s	approx. 310 mm²/s	approx. 468 mm²/s
Viscosity index, ASTM D2270	approx. 98	approx. 98	approx. 100	approx. 100
Copper corrosion, ASTM D130, 3 h, 100°C	1 - 100 - 3 corrosion degree	1 - 100 - 3 corrosion degree	1 - 100 - 3 corrosion degree	1 - 100 - 3 corrosion degree
Steel corrosion, DIN ISO 7120 / ASTM D665, method A, 24 h, 60°C	rust-free	rust-free	rust-free	rust-free
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -34 °C	approx. -31 °C	approx. -27 °C	approx. -25 °C
FZG scuffing test, DIN ISO 14635-1, A / 8.3 / 90, failure load stage	12+	12+	12+	12+

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Characteristics	SynGear PS-150	SynGear PS-220	SynGear PS-320	SynGear PS-460
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months	36 months	36 months	36 months

Summit Lubrication

Your expert in specialty lubricants. Since 1982, we have partnered with you to bring you the right solution and advanced lubrication technologies. With over 500 products, from air and gas compressor oils to refrigeration oils, we develop top-of-the-line products tailored to your specific needs. Your success is our success.

Summit Lubrication a brand of Klüber Lubrication NA LP /
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