Syngear® PG Series

Synthetic gears/bearings

Your benefits at a glance

- Better wear protection
- Thermal and oxidation stability
- Reduced sludge and deposit formation

Your requirements - our solution

Summit Syngear PG Series synthetic lubricants are polyglycol-based products for use in enclosed gear, bearings, and compressors where conditions demand the unique properties of these fluids. Better wear protection, thermal stability, and reduced sludge and deposit formation insure enhanced performance when compared to petroleum-based lubricants.

Application notes

Syngear PG Series lubricants are incompatible with petroleum oils. Care should be taken to make sure the two types of fluids are not mixed.

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.

Characteristics	SYNGEAR PG-220	SYNGEAR PG-320	SYNGEAR PG-460	SYNGEAR PG-680
Article number	340164	340165	340166	340167
Density, 20°C	approx. 1.070 g/cm³	approx. 1.070 g/cm³	approx. 1.070 g/cm³	approx. 1.069 g/cm³
Flash point, ASTM D92	-	-	≥ 250 °C	-
Flash point, ASTM D92, Cleveland open cup	≥ 250 °C	≥ 250 °C	-	≥ 250 °C
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 37.5 mm²/s	approx. 55.5 mm²/s	approx. 76.9 mm²/s	approx. 117 mm²/s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 217 mm²/s	approx. 321 mm²/s	approx. 456 mm²/s	approx. 691 mm²/s
Viscosity index, ASTM D2270	approx. 224	approx. 240	approx. 250	approx. 270
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -42 °C	approx. -39 °C	approx. -39 °C	approx. -36 °C
FZG scuffing test	12+	12+	12+	12+
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

Characteristics	SYNGEAR PG-1000
Article number	340203
Density, 20°C	approx. 1.070 g/cm³
Flash point, ASTM D92	-

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Characteristics	SYNGEAR PG-1000
Flash point, ASTM D92, Cleveland open cup	≥ 250 °C
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 164 mm²/s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 995 mm²/s
Viscosity index, ASTM D2270	approx. 280
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -34 °C
FZG scuffing test	12+
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	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 /
9010 County Road 2120, Tyler, TX 75707 /
Phone: +1 800 749 5823 / www.klsummit.com

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