Product information

SynGear PS FG Series

Premium white oil gears/bearings

Your benefits at a glance

- Fortified with oxidation inhibitors
- Contains anti-wear/EP additives
- Passes highest stages of FZG test

Your requirements - our solution

SynGear PS FG Series gear oils are specifically formulated for gear systems operating in the food service and packaging industries.

SynGear PS FG Series lubricants are NSF Registered and meet USDA 1998 (H1) guidelines (lubricants with incidental food contact). In addition, these gear oils are Kosher/Halal approved. Summit is an ISO 21469 certified facility.

SynGear PS FG lubricants are fortified with oxidation inhibitors as well as anti-wear/EP additives to pass the highest stages of the FZG test.

Application

SynGear PS FG Series gear oils are ideal for the lubrication of production equipment in beverage canning, bottling operations, meat and poultry processing, dairy operations, fruit and vegetable processing, bakeries, and pharmaceutical plants.

Application notes

° C	-25	-20	-15	185	200	210	250	280
° F	-13	-4	5	365	392	410	482	536

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 PS FG-150	SynGear PS FG-220	SynGear PS FG-320	SynGear PS FG-460
Article number	340239	340240	340241	340242
NSF H1 registration number	140458	140459	140460	140461
Density, 20°C	approx. 0.867 g/cm³	approx. 0.870 g/cm³	approx. 0.870 g/cm³	approx. 0.872 g/cm³
Flash point, Cleveland open cup	-	-	-	≥ 235 °C
Flash point, ASTM D92, Cleveland open cup	≥ 230 °C	≥ 230 °C	≥ 230 °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. 15.0 mm²/s	approx. 19.2 mm²/s	approx. 28.5 mm²/s	approx. 36.2 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. 224 mm²/s	approx. 320 mm²/s	approx. 444 mm²/s
Viscosity index, ASTM D2270	approx. 99	approx. 96	approx. 120	approx. 122
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -22 °C	approx. -24 °C	approx. -21 °C	approx. -21 °C
FZG scuffing test, DIN ISO 14635-1, A / 8.3 / 90, failure load stage	12+	12+	12+	12+

a brand of KLÜBER LUBRICATION

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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 PS FG-680	SynGear PS FG-1000
Article number	340249	340427
NSF H1 registration number	141641	155112
Density, 20°C	approx. 0.875 g/cm³	approx. 0.877 g/cm³
Flash point, Cleveland open cup	≥ 240 °C	≥ 230 °C
Flash point, ASTM D92, Cleveland open cup	-	-
ISO viscosity grade, DIN ISO 3448, ISO VG	680	1000
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 49.7 mm²/s	approx. 67.3 mm²/s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 663 mm²/s	approx. 1000 mm²/s
Viscosity index, ASTM D2270	approx. 128	approx. 132
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -24 °C	approx. -24 °C
FZG scuffing test, DIN ISO 14635-1, A / 8.3 / 90, failure load stage	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

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.

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