

# 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
Density	0.865 g/cm <sup>3</sup>	0.866 g/cm <sup>3</sup>	0.871 g/cm <sup>3</sup>	0.873 g/cm <sup>3</sup>
Fire point	252 °C	249 °C	252 °C	252 °C
Flash point	185 °C	185 °C	185 °C	210 °C
ISO viscosity grade	150	220	320	460
Kinematic viscosity, 100°C	14.5 mm <sup>2</sup> /s	19.3 mm <sup>2</sup> /s	31.0 mm <sup>2</sup> /s	40.2 mm <sup>2</sup> /s
Kinematic viscosity, 40°C	146 mm <sup>2</sup> /s	226 mm <sup>2</sup> /s	341 mm <sup>2</sup> /s	483 mm <sup>2</sup> /s
Viscosity index	98	96	127	129
Pour point	-18 °C	-21 °C	-15 °C	-18 °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

# SynGear PS FG Series

Premium white oil gears/bearings



Characteristics	SynGear PS FG-680	SynGear PS FG-1000
Article number	340249	340427
Density	0.873 g/cm <sup>3</sup>	0.874 g/cm <sup>3</sup>
Fire point	254 °C	282 °C
Flash point	204 °C	185 °C
ISO viscosity grade	680	1000
Kinematic viscosity, 100°C	54.3 mm <sup>2</sup> /s	66.3 mm <sup>2</sup> /s
Kinematic viscosity, 40°C	700 mm <sup>2</sup> /s	1001 mm <sup>2</sup> /s
Viscosity index	136	130
Pour point	-21 °C	-25 °C
FZG scuffing test	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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