

# Syngear® FG Series

Synthetic gears/bearings food grade



## Your benefits at a glance

- Extended life lubricants
- Fortified with oxidation inhibitors
- Contains anti-wear/EP additives

## Your requirements - our solution

The Syngear FG Series gear oils are specially formulated for gear systems operation in the food service and packaging industry. These fully synthetic lubricants are NSF Registered and meet USDA 1998 (H1) guidelines (lubricants with incidental food contact). Syngear FG Series lubricants are Kosher/Halal certified. Summit is an ISO 21469 certified facility.

Syngear FG lubricants are fortified with oxidation inhibitors as well as anti-wear/EP additives to pass the highest stages of the FZG test. They are extended life lubricants and have the same excellent software compatibility as the Summit Syngear Series gear oils.

## 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 FG-150	SYNGEAR FG-220	SYNGEAR FG-320	SYNGEAR FG-460
Article number	340146	340147	340148	340149
Density	0.844 g/cm <sup>3</sup>	0.848 g/cm <sup>3</sup>	0.852 g/cm <sup>3</sup>	0.858 g/cm <sup>3</sup>
Fire point	304 °C	307 °C	307 °C	296 °C
Flash point	250 °C	260 °C	260 °C	260 °C
Kinematic viscosity, 100°C	19.1 mm <sup>2</sup> /s	26.4 mm <sup>2</sup> /s	32.8 mm <sup>2</sup> /s	41.9 mm <sup>2</sup> /s
Kinematic viscosity, 40°C	150 mm <sup>2</sup> /s	233 mm <sup>2</sup> /s	303 mm <sup>2</sup> /s	440 mm <sup>2</sup> /s
Viscosity index	145	146	150	146
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346, based on standard	-45 °C	-42 °C	-42 °C	-43 °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.	60 months	60 months	60 months	60 months

Characteristics	SYNGEAR FG-680
Article number	340150
Density	0.859 g/cm <sup>3</sup>
Fire point	293 °C
Flash point	100 °C
Kinematic viscosity, 100°C	50.0 mm <sup>2</sup> /s

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Characteristics	SYNGEAR FG-680
Kinematic viscosity, 40°C	655 mm <sup>2</sup> /s
Viscosity index	131
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346, based on standard	-29 °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.	60 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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