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# Product Data Sheet



NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current as of November 4, 2010.

## SYNTHETIC GEARS/BEARINGS FOOD GRADE

### SYNGEAR® FG SERIES

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 (H-1) guidelines (lubricants with incidental food contact). *Syngear® FG Series* lubricants are Kosher/Halal certified and CFIA accepted. *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

### Physical Properties

SYNGEAR®	FG-150	FG-220	FG-320	FG-460	FG-680
ISO Grade	150	220	320	460	680
Specific Gravity	0.845	0.848	0.851	0.856	0.862
Viscosity					
@ 40°C, cSt	150	206	320	429	655
@ 100°C, cSt	19.1	24.3	33.0	40.0	50.0
Viscosity Index	145	147	144	142	131
Flash Point, °F	515	520	520	500	495
(°C)	(270)	(271)	(271)	(260)	(257)
Fire Point, °F	580	585	585	565	560
(°C)	(304)	(307)	(307)	(296)	(293)
Pour Point, °F	-49	-44	-44	-38	-20
(°C)	(-45)	(-42)	(-42)	(-39)	(-29)
FZG Gear Test	12+ Pass	12+ Pass	12+ Pass	12+ Pass	12+ Pass
NSF Registered	H1	H1	H1	H1	H1
ISO 21469	Yes	Yes	Yes	Yes	Yes
Kosher Approved	Yes	Yes	Yes	Yes	Yes
Halal Certified	Yes	Yes	Yes	Yes	Yes
CFIA Accepted	Yes	Yes	Yes	Yes	Yes

**Shelf Life:** Product shelf life is 3 years from the date of manufacture, after which the product should be recertified prior to use.