

SYF-990/ GEARPLUS FG

Synthetic (PAG) Gear Oil(NSF Certified, Category H1)

Product Description

Fully synthetic gear oil for the lubrication of all closed toothed gears, liquid lubrication of chains, hinges, guides, armatures, roller and plain bearings in the whole food and beverage industry as well as in breweries, when physiologically harmless lubricants are required. This product have excellent extreme pressure performance, and heavily loaded toothing against Micro pitting.

Registered by NSF (Class H1) for use where there is potential for incidental contact with food. These products meet the former guidelines (1998) of the US Department of Agriculture Food Safety and Inspection Service (USDA FSIS) for H1 use (lubricant with incidental food contact) and listed in Miscellaneous Publication List of Proprietary Substances and Nonfood Compounds". Product contains only substances permitted under US 21 CFR 178.3570, for use in lubricants with incidental food contact.

Applications

For optimum effect clean thoroughly the lubrication point first mechanically and then, before initial filling of gears remove corrosion protection agent. Fill gear so that the dipping teeth receive lubricant for sure. Apply sufficient amount with a brush, dripping oiler, by dipping or central lubricating systems. Instructions of the gear and machine manufacturer have to be observed. Re-lubrication intervals and amount to be defined accordingly, to the service conditions.

Performance Standard: DIN 51517 PART-3, US STEEL 224.

Technical Data

PROPERTIES	Test Method	Value	Value	Value	Value	Value
Classification	DIN 51 502/825	VG 150	VG 220	VG 320	VG 460	VG 680
Type		Synthetic Oils	Synthetic Oils	Synthetic Oils	Synthetic Oils	Synthetic Oils
Viscosity 40°C Mm2/s 100°C Mm2/s	DIN 51 562-1	150	220	320	460	680
	DIN 51 562-1	14.7	20	25	31	43
Viscosity Index	DIN ISO 2909	100	100	100	100	104
Pour point °C	DIN ISO 3016	<-18	< -16	<-15	<-12	<-10
Flash point °C	DIN ISO 2592	244	> 250	255	260	265
Density g/ml 29.5 °C	DIN EN ISO 3838	.893	0,898	.900	.910	.925
Colour		colourless - yellowish	colourless - yellowish	colourless - yellowish	colourless - yellowish	colourless - yellowish
FZG Damage step A/16.6/90	DIN 51 354 T2	>12	> 12	>12	>12	>14
FZG wear	DIN 51 354 T2	--	< 0.2	< 0.2	< 0.2	< 0.2
FZG (Micropitting) Load/GFT	FVA 54 (I-IV)	--	>10/High	>10/High	>10/High	>10/High

Available Packs : 5, 20, 210 Ltr.

Shelf Life : 60 Months from manufacturing month.

Due to continual product research and development, the information contained herein is subject to change without notification. Typical Properties may vary slightly. The Material Safety Data Sheet (MSDS) are available upon request through our sales office.

*All related specifications are meets or exceeds.