

**Food Grade Synthetic Gear Oil  
for Food and Pharmaceutical Industries**



EXTREME  
PRESSURE



ENCLOSED  
GEARS



FOOD  
GRADE



WORM  
GEARS

## PRODUCT DESCRIPTION

FOLINELUBE FGS 320 is synthetic gear oil with high performance additives.

Especially suitable for loaded gear applications in food and pharmaceutical processing industries. Also could be used for lubrication of conveyor chains at ambient temperature. It could be applied by using immersion, immersion circulation or injection. Also possible be applied by brush or drip-feed lubrication for chains applications.

With a wide temperature range plus excellent oxidation stability which result in a longer lubrication intervals.

FOLINELUBE FGS 320 is miscible with mineral oils and polyalphaolefin oils. However, we still recommend to cleaning the oil circulation system before using FOLINELUBE FGS 320 for the first time. Compatible with most seal gaskets normally used in food machinery lubrication systems. A compatibility test is always recommended to be carried out. (e.g EPDM)

FOLINELUBE FGS 320 is registered under No.143935 at NSF according to H1 regulations for lubricants with incidental food contact. It is manufactured in a ISO 21469 certified facility.

AW/AC, Anti-oxydation, anti-foam properties  
Excellent resistance to shear  
Fulfil CLP requirements

## TYPICAL TECHNICAL DATA

Base oil		Synthetic oil
Colour	Visual	Colourless
Density	ISO 12185	840 Kg/m <sup>3</sup>
ISO Grade	ASTM	320
Viscosity index	ISO 2909	164
Base oil viscosity at 40°C	ISO 3104	320 cSt
Base oil viscosity at 100°C	ISO 3104	37 cSt
Flash point	ISO 2592	250°C
Pour point	ISO 3016	-35°C
4-ball wear scar	ISO 20623	0,35 mm
4-ball weld load	ASTM D 2783	200 Kg
FZG test - Fail stage	DIN 51354-2	> 12
Copper corrosion (3h/100°C)	ISO 2160	1a
Temperature range, approx. *		-30°C to +120°C

### RECOMMENDATIONS:

Store the product at ambient temperature in inside area and segregated from other non-H1 lubricants.

Avoid exposure of the product to temperatures above 35°C.

Shelf life : 3 years from manufacturing date (unopened)

The information above is based on current production data and can vary within given tolerances.

\*Temperature range is given as a guideline only.

Information and data can be changed without previous notification. This information replaces prior editions.