

F.L. PG 250 / 500

Special gear oils



The benefits at a glance

- NSF-H1 registered
- Very high thermal and oxidative stability
- Little change of viscosity in the course of temperature
- Low friction coefficients
- High wear protection, good load carrying capacity in bearings and gearings
- DIN 51517 CLP



Properties

Rivolta F.L. PG 250 and **Rivolta F.L. PG 500** are fully synthetic high performance gear oils for the food industry and they are designed for permanent requirements up to the limits. **F.L. PG** gear oils were especially created for the lubrication of highly loaded gears, such as e.g. worm gear pairs. The very high viscosity index guarantees that the installations are fully operative at low and high operative temperatures. A very low friction coefficient improves the degree of efficiency and takes care of the gears and the oil. High economy is achieved by a long service life of the oil and minimum wear. **F.L. PG 250 / 500** fulfill a performance spectrum which clearly exceeds the demands of DIN 51517 part 3 for gear oils, specification CLP. High degree of efficiency in worm gears.

Fields of application

- Gears: rolling gear (spur gear, bevel gear), helical gear, worm gear pair, bevel gear pair with pinion offset etc. in use at meat, milk and fish processing machines, dough extruders, conveyors, packing machines, labelling machines.

Form	liquid
Colour	clear, amber
Odour	neutral

Material compatibility

The products are not miscible with mineral oils and ester oils, but miscible with polyalkylene glycols.

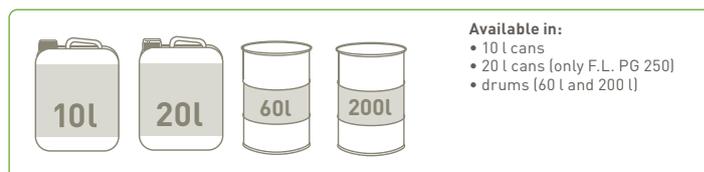
Preparation of the lubricating point

Before the new filling with **Rivolta F.L. PG** gear oils the following steps have to be carried out:

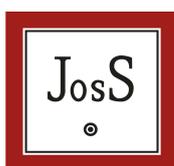
- First drain the old product. If the system was filled with a miscible product, no particular flushing is necessary before the new filling with **F.L. PG 250** respectively **F.L. PG 500**.
- If the system was filled with an oil which is not miscible, a flushing with **F.L. PG 250** respectively **F.L. PG 500** must be included before the new filling.

Instructions for use

Suitable application devices and accessories in our [accessories brochure](#).



	Value		Norm
	F.L. PG 250	F.L. PG 500	
NSF Reg.-No.	139381	139382	-
Density at +15 °C	1,06 g/cm ³	1,07 g/cm ³	DIN 51757
ISO viscosity grade	220	460	DIN 51519
Viscosity index	> 230	> 170	DIN ISO 2909
Kine. Viscosity at +40 °C	220 mm ² /s	460 mm ² /s	DIN 51562-1
Kine. Viscosity at +100 °C	47 mm ² /s	83 mm ² /s	DIN 51562-1
Flash point	+200 °C		DIN EN ISO 2592
Pourpoint	-45 °C	-36 °C	DIN ISO 3016
Temperature range	-40 °C up to +160 °C	-30 °C up to +160 °C	-
FZG-Test A / 8.3 / 90 damage force level	> 12		ISO 14635-1



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