



Technical Data Sheet

RIDOIL FOOD PG 150

Fully synthetic PAG oil for gears

Description

RIDOIL FOOD PG 150 is a synthetic oil (PAG polyglycol) specifically formulated for the lubrication of all types of gears and bearings in enclosures, operating under extremely harsh conditions (high and/or low temperatures, heavy loads, shocks, etc.), using circulation or splash lubrication systems. Thanks to its special formulation and exceptionally high natural viscosity index, RIDOIL FOOD PG 150 allows operation across a wide temperature range with minimal viscosity changes. Its exceptional oxidation resistance and excellent thermal stability ensure prolonged service life, even in high-temperature environments.

Use / application

Ideal for the lubrication of cylindrical, bevel, planetary, and worm gears operating at high temperatures and under heavy loads in the food and pharmaceutical industries. It can also be used for the lubrication of chains, sliding bearings, and roller bearings.

Properties

- NSF H1 pending approval
- MOSH and MOAH free
- Halal certified
- Kosher certified
- High load-carrying capacity
- Low tendency to form deposits
- Excellent oxidation and aging stability
- Silicone-free
- Good corrosion protection
- High thermal stability
- High viscosity index
- Excellent wear protection with low friction coefficients
- Usable over a wide temperature range
- Compatible with most elastomers (especially NBR, FVMQ, and FMQ)
- Meets FLENDER specifications, worm gears, bevel gears, planetary gears, and planetary gearboxes (A + B, revision 13)

Specifications

CLP PG (DIN 51 517-3)

RIDOIL FOOD PG 150 should not be mixed with mineral or synthetic oils of a different nature.



Technical Data

Color			yellow
Density at 15°C		g/cm ³	1.06
Viscosity at 40°C	DIN 51562	mm ² /s	150
Viscosity at 100°C	DIN 51562	mm ² /s	25
Viscosity index	ISO 2909		>200
TAN Total Acid Number		mgKOH/g	<0.5
Pumpability		°C	-35
Flash point (COC)	ISO 2592	°C	>260
Pour Point	ISO 3016	°C	-40
Copper corrosion	ISO 2160		1a
Foaming Tendency Seq. I (24°C)	ASTM D892		max 20/0
Foaming Tendency Seq. II (93.5°C)	ASTM D892		0/0
Foaming Tendency I-III (24°C/93.5°C/24°C)	ASTM D892		0/0
FZG Test (A/8.3/90)			>14
FZG Test (A/16.6/90)			>14