

# Foodoil GGF

Art. 5706/5707/5708/5709

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**Description:** Foodoil GGF is a synthetic gear oil based on selected polyglycols and additives, for the food, fodder and pharmaceutical industries and their suppliers.

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**Application areas:**

- For industrial drives operating at peak loads and temperatures, (e.g. worm and bevel gears, spur and epicyclic gears).
- For recirculating oil systems, roller and sleeve bearing lubrication; also ideal at peak temperatures.

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## Product characteristics

## Benefits

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| – Lubricant complying with FDA regulation No. 21 CFR 178.3570, NSF H1-registered, odourless and tasteless                                                   | → high security against product contamination. Facilitates compliance with hygiene regulations as per Foodstuffs and utility articles ordinance (LGV). Supports the duty of care and compliance with the quality management according to DIN EN ISO 9001. |
| – Complies with the requirements of leading machinery producers and the DIN and ISO standards. Largely prevents grey flecks and micro-pitting on gear teeth | → minimizes abrasion for longer machinery service life. Minimizes fatigue (hairline cracks and pitting on gear tooth flanks) even at lowest speeds and highest torques, also in the boundary lubrication zone.                                            |
| – Excellent resistance to ageing, oxidation and shear                                                                                                       | → long oil filling intervals. Minimal ageing products and deposits even at high operating temperatures. Viscosity remains within the admissible limits over the entire oil filling life.                                                                  |
| – Free of vegetable and animal esters                                                                                                                       | → high resistance to hydrolysis reduces sedimentation and deposits.                                                                                                                                                                                       |
| – Free of solvents and mineral oils. Free of genetically modified organisms (GMO)                                                                           | → Corresponds to current health knowledge for lubricants used in the food-, feed and pharmaceutical industries and their suppliers.                                                                                                                       |
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**Usage:**

- GGF food oil cannot be mixed with mineral oils. Before refilling with GGF food oil, thoroughly clean and flush out mineral oil based systems to remove oil residues.
- GGF food oil may damage normal paintwork. Normal paint inside housings should either be eliminated or replaced with 2-component paint resistant to GGF food oil.
- GGF food oil does not affect most synthetic seal materials (such as NBR), but tends to shrink leather seals, which should therefore not be used.
- GGF food oil may fog perspex sight-glasses. Natural glass lasts longer and is preferable.
- The products should not be mixed with each other.
- Significance of NSF H1: Lubricants that are approved for an incidental contact with food, feed and pharmaceutical products.

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**Physical / chemical data:** See rear page

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**Physical /  
chemical data:**

Designation	Standard	Foodoil GGF 220 Art. 5706	Foodoil GGF 320 Art. 5707	Foodoil GGF 460 Art. 5708	Foodoil GGF 680 Art. 5709
Doping type	DIN 51502	CLP PG 220	CLP PG 320	CLP PG 460	CLP P6 680
Viscosity class ISO-VG	DIN 51519 DIN ISO 3448	220	320	460	680
Viscosity (40° C)	DIN 51562	220 mm <sup>2</sup> /s	320 mm <sup>2</sup> /s	460 mm <sup>2</sup> /s	680
Viscosity (100° C)	DIN 51562	41 mm <sup>2</sup> /s	59 mm <sup>2</sup> /s	78 mm <sup>2</sup> /s	129
Viscosity index VI	DIN ISO 2909	240	284	257	273
Density (20° C)	DIN 51757	1.053 g/ml	1.058 g/ml	1.062 g/ml	1.069
Pour point	DIN 51579 DIN ISO 3016	-42°C	-24°C	-21°C	-30
Flashpoint	DIN ISO 2592	276°C	274°C	284°C	268
FZG-Test	DIN ISO 14635-1	12	12	12	12
Flender	Flender BAT 7300	X	X	X	X

X The oil complies with standards for CLP oils according to DIN 51517-3

**Safety and  
environmental aspects:**

ADR/RID:	Not dangerous goods according to transport regulations
Precautions:	Do not allow product to reach ground water, water course or sewage system. Harmful to aquatic organisms.
Water hazard class:	Weakly water hazardous (WHC 1)
EC-waste code:	13 02 06
CH-waste code:	Identical to EC waste code (as per VeVA of 01.01.06)
Classification and labelling:	Stated in the safety data sheet

**Container sizes:**

Drum: 208 l

Canister: 5 l • 25 l

The data given on this sheet are based on properties and application possibilities as known to us. Blaser Swissslube AG will assume no liability for damage resulting from improper use of the products. No general legal liability can be derived from these data. 30.559 E (1025)