

Protect your valuable gear unit

Premium lubricants

GearOil, GearFluid, and Grease by SEW-EURODRIVE



Our lubricants

We develop our premium lubricants by drawing on our years of experience and conducting countless test runs. Production follows a special recipe and is subject to permanent quality control. By reducing the friction between gear wheels, our products extend the service life of sealing rings and even the lubricant itself.

Many applications are placing ever higher load and operating time demands on our gear units. That's why you should use GearOil, GearFluid, and Grease by SEW-EURODRIVE to significantly boost their performance and service life. The special NSF*-certified H1 lubricants GearOil, GearFluid, and Grease by SEW-EURODRIVE are ideal for applications in the food and beverages industry.

Whether used as the initial fill or during service and maintenance operations, premium lubricants from SEW-EURODRIVE boost the gear unit's efficiency, protect against corrosion, and reduce wear. All our lubricants are comprehensively tested in line with the stringent quality requirements of SEW-EURODRIVE testing specification no. 07 004 03 13.

* National Sanitation Foundation (NSF®).



→ Can be ordered under Online Support using the keyword "SEW GearOil", "SEW GearFluid", or "SEW Grease".



Mineral GearOil

The benefits for you

- GearOil by SEW-EURODRIVE lasts up to 50% longer than conventional lubricants.
- A high level of resistance to aging reduces wear and increases the service life of the lubricant and seals.
- Maximum protection against gearing wear prevents the risk of fretting and pitting damage.
- The premium lubricant's low friction coefficients increase gear unit efficiency.
- Self-cleaning properties that bind water and dirt particles prevent deposits.
- High wear protection for rolling bearings reduces the risk of premature rolling bearing failure.
- Has an extended shelf life of up to six years compared with conventional lubricants.



| Lubricant type | GearOil by SEW-EURODRIVE | Can be used for |
|----------------|--------------------------|--|
| CLP 150 | Base 150 | Helical, parallel-shaft helical, K..7 helical-bevel, S..7 helical-worm, and industrial gear units |
| CLP 220 | Base 220 | Helical, parallel-shaft helical, K..7 helical-bevel, PS.C planetary servo, and industrial gear units |
| CLP 320 | Base 320 | Industrial gear units |
| CLP 460 | Base 460 | Industrial gear units |
| CLP 680 | Base 680 | Industrial gear units |
| CLP 680 | Base 680 S | S..7 helical-worm gear units |



Synthetic GearOil

The benefits for you

- GearOil by SEW-EURODRIVE lasts up to 50% longer than conventional lubricants.
- A high level of resistance to aging reduces wear and increases the service life of the lubricant and seals.
- Maximum protection against gearing wear prevents the risk of fretting and pitting damage.
- The premium lubricant's low friction coefficients increase gear unit efficiency.
- Self-cleaning properties that bind water and dirt particles prevent deposits.
- High wear protection for rolling bearings reduces the risk of premature rolling bearing failure.
- Has an extended shelf life of up to six years compared with conventional lubricants.



| Polyalphaolefin (PAO) lubricant type | GearOil by SEW-EURODRIVE | Can be used for |
|--------------------------------------|--------------------------|--|
| CLP HC 150 | Synth 150 | Helical, parallel-shaft helical, and K..7 helical-bevel gear units, MOVIGEAR®, and industrial gear units |
| CLP HC 220 | Synth 220 | Helical, parallel-shaft helical, and K..7 helical-bevel gear units, MOVIGEAR®, and industrial gear units |
| CLP HC 320 | Synth 320 | Industrial gear units |
| CLP HC 460 | Synth 460 | Industrial gear units |
| CLP HC 680 | Synth 680 | Industrial gear units |
| CLP HC NSF H1 220* | Synth 220 H1 | Helical, parallel-shaft helical, and K..7 helical-bevel gear units, MOVIGEAR®, and industrial gear units |
| CLP HC NSF H1 460* | Synth 460 H1 | Helical, parallel-shaft helical, and K..7 helical-bevel gear units, MOVIGEAR®, and industrial gear units |

* Suitable for use in the food and feed industries.

Up to 6
years longer shelf life

0%
deposits thanks to self-cleaning properties

| Polyglycol (PG) lubricant type | GearOil by SEW-EURODRIVE | Can be used for |
|--------------------------------|--------------------------|---|
| CLP PG 150 | Poly 150 | W..9 SPIROPLAN® right-angle, helical, parallel-shaft helical, K..7/K..9 helical-bevel, S..7p helical-worm, and PxG® planetary servo gear units |
| CLP PG 220 | Poly 220 | W..9 SPIROPLAN® right-angle, helical, parallel-shaft helical, K..7/K..9 helical-bevel, S..7p helical-worm, PxG® planetary servo, and PS.F../BS.F.. right-angle servo gear units |
| CLP PG 460 | Poly 460 | W..9 SPIROPLAN® right-angle, K..9 helical-bevel, and S..7p helical-worm gear units |
| CLP PG 460 | Poly 460 W | W..0 SPIROPLAN® right-angle gear units |
| CLP PG NSF H1 150* | Poly 150 H1 | SPIROPLAN® right-angle, helical, parallel-shaft helical, K..7/K..9 helical-bevel, S..7 helical-worm, and PxG® planetary servo gear units |
| CLP PG NSF H1 220* | Poly 220 H1 | W..9 SPIROPLAN® right-angle, helical, parallel-shaft helical, K..7/K..9 helical-bevel, S..7 helical-worm, and PxG® planetary servo gear units |
| CLP PG NSF H1 460* | Poly 460 H1 | SPIROPLAN® right-angle, helical, parallel-shaft helical, K..7/K..9 helical-bevel, S..7 helical-worm, PS.F.. planetary servo, and BS.F.. right-angle servo gear units |

* Suitable for use in the food and feed industries.

Sustainable GearFluid

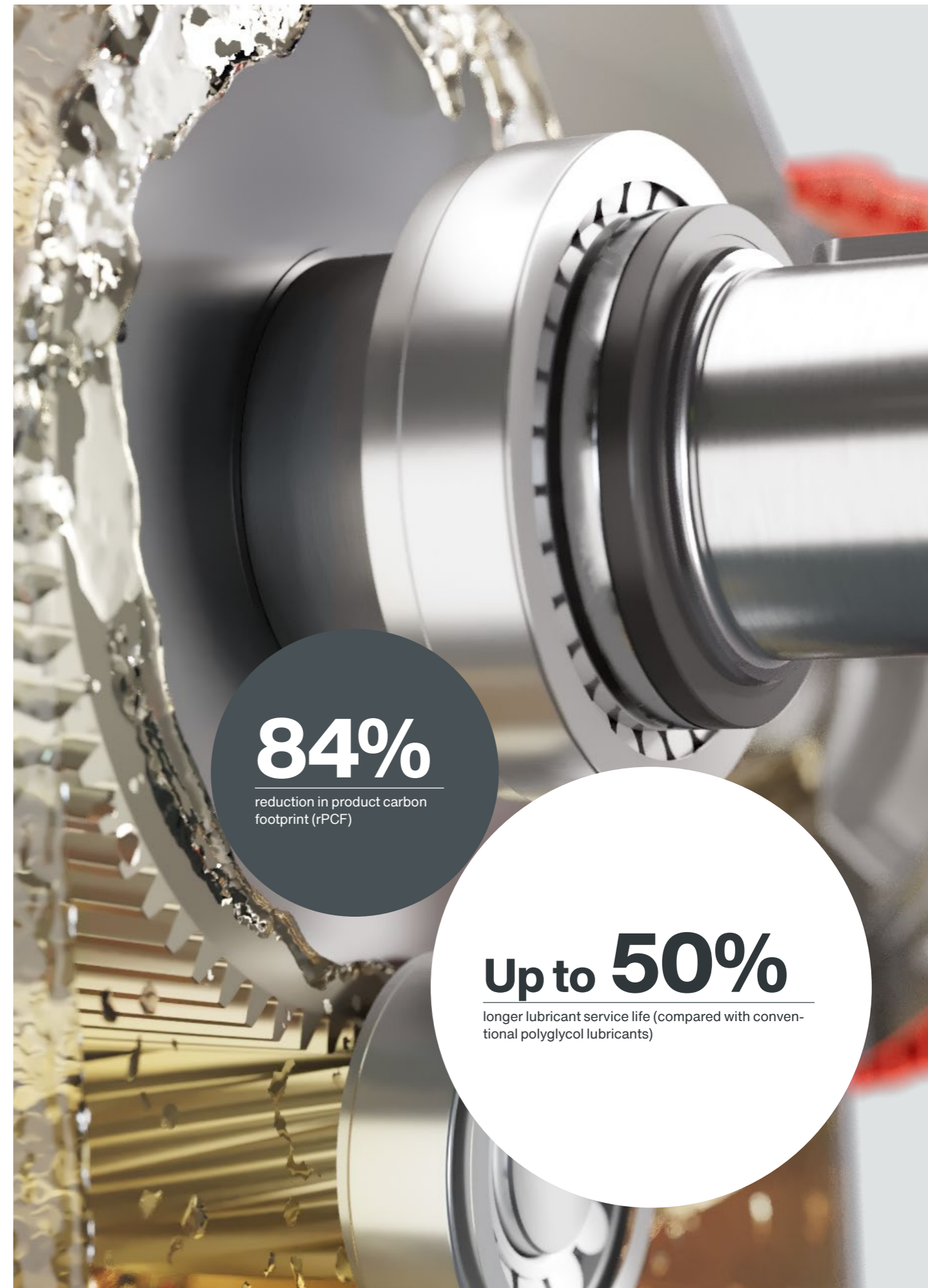
The benefits for you

- This premium synthetic lubricant is made from sustainable biomass that is sourced without any use of additional agricultural-grade land being involved.
- A manufacturing process using a certified mass balance approach without consuming any fossil raw materials results in an 84% reduction in product carbon footprint (rPCF) compared with conventional polyglycol lubricants.
- A lubricant service life up to 50% longer than that of conventional polyglycol lubricants means fewer oil changes.
- Low friction coefficients improve gear unit efficiency for maximum performance at all operating points.
- Low energy and operating costs are achieved thanks to high efficiency.
- GearFluid Poly 220 E1 is rapidly biodegradable to OECD 301 B and can therefore also be used in environmentally sensitive areas. The change interval of this lubricant is three times longer than that of conventional biodegradable oils.
- GearFluid Poly 220 H1 E1 is approved as a food-grade lubricant, and is certified as complying with NSF guidelines as well as Halal and Kosher rules.
- All GearFluid lubricants are thoroughly tested to ensure, for instance, that they are compatible with the oil seals that are used.
- With a shelf life of up to six years, the canisters are produced using a proportion of recycled plastic materials.



| Lubricant type | GearFluid by SEW-EURODRIVE | Can be used for |
|---|----------------------------|---|
| CLP PG 220 rPCF Bio (rPCF = reduced product carbon footprint) | Poly 220 E1 | W..9 SPIROPLAN® right-angle, helical, parallel-shaft helical, K..7/K..9 helical-bevel, S..7p helical-worm, PxG® planetary servo, and PS.F.. and BS.F.. right-angle servo gear units |
| CLP PG 220 H1 rPCF* (rPCF = reduced product carbon footprint) | Poly 220 H1 E1 | W..9 SPIROPLAN® right-angle, helical, parallel-shaft helical, K..7/K..9 helical-bevel, and S..7 helical-worm gear units |

* Suitable for use in the food and feed industries.



Synthetic grease

The benefits for you

- Grease with optimized additives
- High thermal and mechanical stability
- Excellent corrosion and wear protection
- NLGI Grade 2
- NSF H1 version for use in the food and feed industries



| Lubricant type | Grease by SEW-EURODRIVE | Can be used for |
|---|-------------------------|--|
| Special grease | Grease HL2 | Gear unit bearings, gear unit oil seals, and motor oil seals |
| Special grease for the food and feed industries | Grease HL2 H1 | Gear unit bearings, gear unit oil seals, and motor oil seals |



2

classifies the consistency of our greases to NLGI

H1

identifies special greases for applications in the food and beverages industry



→ www.sew-eurodrive.com
Find out more here.

Other topics that might be
of interest to you

Gear units

Industrial gear units

Extended warranty

Lubricants

SEW
EURODRIVE

SEW-EURODRIVE GmbH & Co KG

Ernst-Blickle-Str. 42
76646 Bruchsal/Germany
T +49 7251 75-0
F +49 7251 75-1970
sew@sew-eurodrive.com
www.sew-eurodrive.com