

SEW GEAROIL PROTECTS

LESS WEAR
LONGER LIFE

For all SEW-EURODRIVE gear units

up
to date

UPDATED TO EXTEND THE LIFE OF GEAR UNITS.

50%

50% increase in oil life
and 50% longer service
life of the transmission

> DID YOU KNOW THAT SEW-EURODRIVE IS ONE OF THE BIGGEST CONSUMERS OF GEAR OILS IN THE DRIVE TECHNOLOGY SECTOR?



THE BENEFITS

- Choosing the right lubricant for optimal overall gear unit performance is simple and easy
- Fewer failures thanks to protection against leaks and the attrition of wear parts
- Up to 50% longer service life than conventional oils
- Longer service life and reduced wear for your gear units and their wear parts
- Long-term protection for your investment
- Shelf life up to six years longer than that of conventional lubricants
- Available worldwide

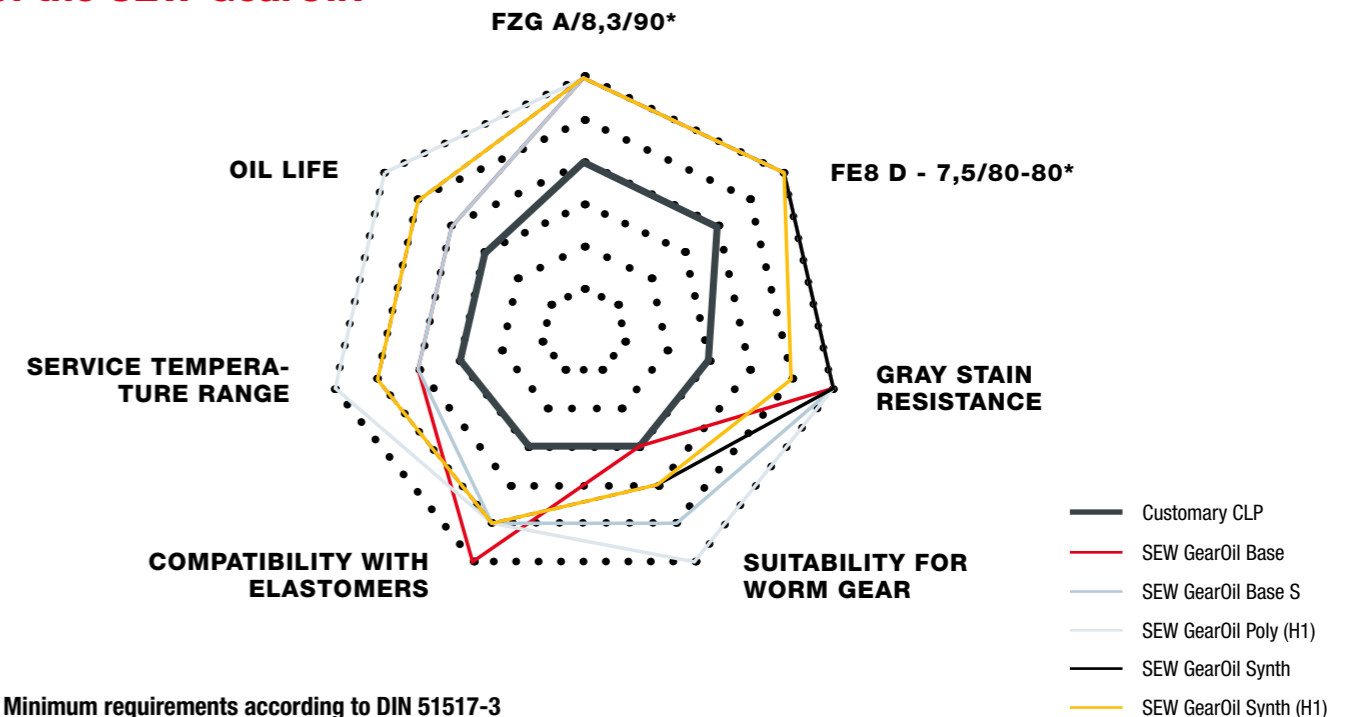
Is the right gear unit oil hard to find? Not at all. SEW now makes SEW GearOil: The perfect lubricant—developed in-house by SEW tribology experts for all our gear units. A premium oil, which will represent a real innovation transfer at your plant. For less gear unit wear and a longer service life.

Whether you use standard, servo, or industrial gear units—SEW GearOil has been 100% developed for your SEW gear unit. Many years of experience and countless test runs have gone into producing this gear oil, which impresses with its special lubricating film. Not only does this extend the lifetime of the oil itself, it also reduces friction between the

gear wheels. The lifetime of wear parts, such as sealing rings and bearings, is significantly extended. Furthermore, SEW GearOil protects against corrosion and prevents damage to tooth flanks from scuffing. It also enhances performance and increases efficiency. Your high-quality gear units will be maintained in peak condition for the future, protecting

your investment. SEW GearOil is available in various viscosity classes. Either as a CLP mineral gear unit oil or as a synthetic lubricant based on CLP PG (polyglycol) or CLP HC (polyalphaolefin). Special lubricants with H1 certification for the food-processing industry are also available.

What are the strengths of the SEW GearOil?



* Minimum requirements according to DIN 51517-3



LISTEN TO THIS!

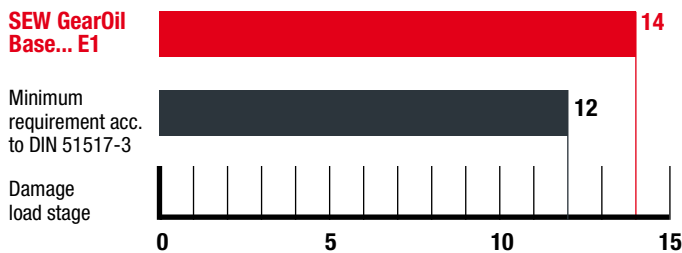
Our podcast about SEW GearOil
www.urldespodcasts.de



GOOD TO KNOW

➤ WHAT DOES GEAR OIL DO?

- Reduces friction
- Dissipates heat
- Carries impurities to the filter
- Reduces wear
- Protects against corrosion
- Reduces noise
- Minimizes vibrations
- Protects against gearing scuffing



➤ REDUCING FRICTION: BUT WHAT KIND EXACTLY?

Boundary friction

Boundary friction is the friction that occurs where two surfaces come into direct contact. In this case, protective layers develop as a result of natural oxidation, adsorption, or a chemical reaction under the influence of pressure and temperature.

Mixed friction

This occurs when there is not enough oil in the gear unit or the oil is too old. With mixed friction, there are therefore both direct points of contact between the components and points of contact separate from the lubricating film.

Fluid friction

There is no direct contact between the components. The gear oil separates the components and the lubricating film transfers the load that occurs. The better the chemical structure of the lubricating film, the lower the internal friction within it.

Systematically reducing both friction and wear, and optimizing lubrication, therefore extends the service life of the gear unit.

FZG A/8,3/90

The high stage 14 damage load stage provides improved protection against wear to the gearing

**up
to date**

→ More information about www.sew-eurodrive.de/lubricants

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