

SEW
EURODRIVE

Driving the world

Newsletter

SG-01 | SEP 2021



SEW-EURODRIVE Singapore 40th Years

Established in 1981 in Singapore, SEW-Eurodrive Pte Ltd is a proud subsidiary of the SEW-Eurodrive Group, the world leader in the manufacturing of drive technology. Like other SEW-Eurodrive operations around the world, the Singapore subsidiary is part of the Group's worldwide network of assembly centers. It assembles original and genuine parts and markets customized products to customers in Singapore and the Asia Pacific.

SEW-Eurodrive in Singapore currently employs more than 80 experienced staff providing custom-made drive solutions and Services for various drive applications. At our plant in Singapore, we maintain stocks of over 5,000 different components, with a value in excess of EUR 5m. This enables us to dispatch your requirements within 24hrs of receiving your instructions under normal circumstances.





SEW-EURODRIVE Singapore 40th Anniversary

2021 marks the 40th anniversary of SEW-EURODRIVE Singapore. Always in motion with our new technologies, comprehensive services, and continuous improvements of quality - Thank you for being part of our 40 years success journey!

Newly Established KEY ACCOUNT Management Team

Starting from 01.03.2021 SEW-EURODRIVE Singapore has appointed a newly established Key Account Management Team to take care of product and service demands of Key accounts.

We trust that the above-mentioned arrangement will improve the quality of our services to your company, give you better access to product innovations and technological improvements that contribute to your company's operational effectiveness. We look forward to intensifying our relationship for our organizations' mutual benefit.



Mr. Sami Nordman
Manager, Accounts and Industries

25 years of gear unit Service and Sales experience from installations and troubleshooting up to condition monitoring and complex modernization projects. Have been working with power transmission products within different industries in South East Asia since 2008 (SEW-EURODRIVE PTE LTD & SKFAsia Pacific.)

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Mr. Ling Siong Huo
Senior Engineer, Key account Manager

6 years of business development and channel management experience with SEW-Eurodrive Pte Ltd in managing authorized distributors and end customers in Indonesia and the Philippines. A friendly and proactive mechanical engineer with solid geared motors and industrial gearbox technical knowledge that customers can always count on.

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Singapore SERVICE Workshop Tooling and Capabilities

SEW-EURODRIVE Singapore Service workshop is located in Tuas, next to our warehouse and assembly facilities. In our optimally equipped workshop we do provide inspections and overhauls for Industrial gear units, gear motors, motors and inverters – **not only for SEW-EURODRIVE's products**. We have a long experience to Service also other manufacturers industrial gear units and gear motors and even supplying spare parts for those is not a problem.



When a customer sends a product to SEW-EURODRIVE Singapore Service workshop, it is first inspected carefully by experienced Service technicians and all detections with recommendations are mentioned in a clear Service report.

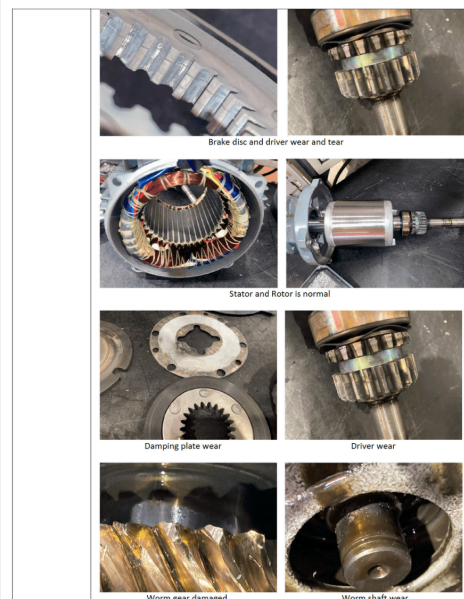
Based on detections we will provide to customer an offer for an overhaul, which parts need to be replaced and what are the costs. The customer then decides what is the best solution based on their needs, sometimes gear units can also be damaged beyond economical repair.

When receiving an order, needed spare parts are sourced. SEW-EURODRIVE uses only genuine spare parts, best quality bearings, seals, and other critical components in repairs. After assembly and test run the products are timely, ready to be returned to the customer.

Indoor Service Report



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Every overhaul is covered with a warranty

No more sleepless nights, No more expensive unplanned
mechanical downtime hours!



SEW-EURODRIVE Service facilities in Tuas are equipped with optimal space and tooling to overhaul Industrial gears, geared motors, motors, and inverters.



Washing Machine



150Tons Hydraulic Press for gear & bearing removal



Gear Oil Filling Station



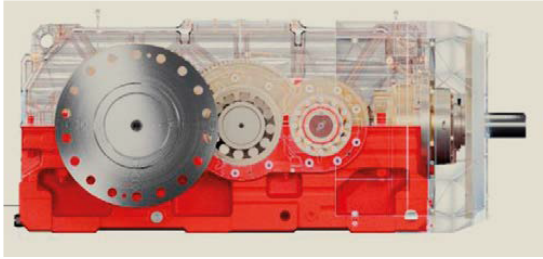
Repair workstation c/w press, test run, high potential testing panel & oven

SEW-EURODRIVE Gear Oil



It all depends on the LUBRICANT:
Maximum Operational
Reliability of Gearboxes!

" Why does a gearbox need oil? The main task of gear oil is to reduce friction and wear, dissipate heat, and protect against corrosion. "



Today, modern gear drives usually have to transmit ever increasing torques, while at the same time the dimensions and masses of the gears are decreasing.

In addition, the function of a gear unit in heavy industrial plant is characterized by permanently high loads, impact-like stresses and challenging environmental conditions. The occurrence of strong vibrations in the crushers and mills and the often extreme ambient temperatures in the area of a rotary kiln plant are examples of this. Short oil change intervals, combined with high service costs and unscheduled downtimes are the unwanted results.

Mineral oils vs Synthetic oils

Industrial lubricants usually consist of 95 to 98% of a high-quality base oil and additives which must be ensured to meet quality requirements regarding load carrying capacity, friction reduction, ageing and oxidation stability, corrosion protection, viscosity and foaming behaviour. Mineral oils are obtained from crude oils by distillation and refining. Due to the simple manufacturing process, mineral oils are therefore among the most cost-effective oils. The production of synthetic oils, on the other hand, is more expensive in industrial terms. They therefore have a uniform structure and are significantly more efficient. Their advantages over mineral oils include higher thermal and oxidative resistance, a lower coefficient of friction and better low-temperature and viscosity behaviour.

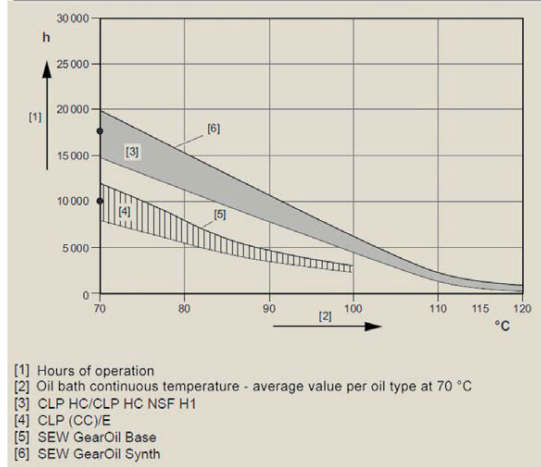


Fig. 1 Oil service life as a function of the continuous oil bath temperature.

Figure 1. shows in the diagram the dependence of the service life of oil on the oil bath continuous temperature. The higher thermal resistance of synthetic lubricants can be seen from this diagram, which shows the operating hours (1) above the oil bath temperature (2). The range (4) in the diagram indicates mineral oils, the range (3) synthetic oils are based on polyalphaolefins (PAO). The same applies to both types of oil: The higher the average temperature of lubricating oil, the faster its service life decreases.

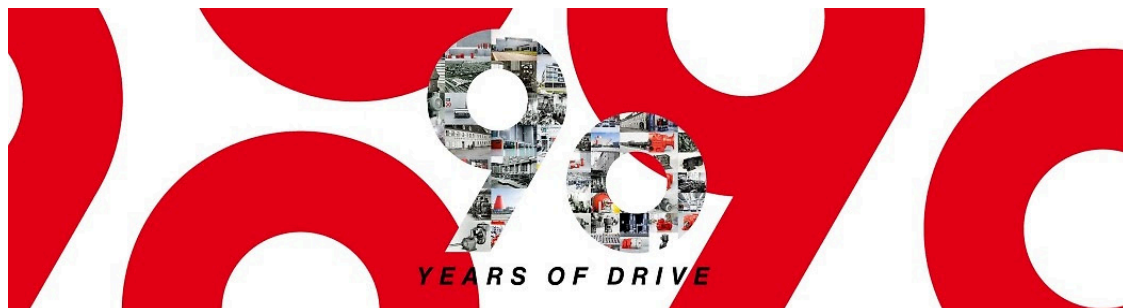
At an average oil bath temperature of 70°C, a synthetic PAO oil achieves almost twice the service life of mineral oil. At an oil bath temperature of 90 °C, the use of a mineral lubricant is virtually eliminated, whereas an average synthetic oil still achieves a service life of approx. 10 000 operating hours under these conditions.

Premium Lubricants from SEW-EURODRIVE

With mineral and synthetic oils, a certain range can be observed with regard to their service life. For example, at a continuous temperature of 70 °C, the service life of the synthetic lubricant CLP HC is limited to approx. 20 000 operating hours. The upper limit range in the diagram in Fig. 1 is described by the premium lubricant gear oil Synth. The gear oil developed by SEW-EURODRIVE has a service life that is more than 25% longer than synthetic oils of lower quality. In the field of mineral oils, SEW-EURODRIVE also has a lubricant in the form of Gear Oil Base, which has a service life up to 50% longer than that of conventional mineral oil.

With almost 90 years of experience in the development and construction of gear units and a large number of worldwide references, we have extensive tribological knowledge. On this basis and corresponding long-term test runs, a special recipe for our premium gear oil was developed by SEW-EURODRIVE and hence increases the performance of the gear unit.

SEW-EURODRIVE Gear Oil reduces friction between the gears by forming a very good lubricating film, which extends the life of the lubricant itself as well as the life of wearing parts such as the sealing rings or the gear bearings. In terms of seal compatibility, above-average values are achieved with the elastomers used at SEW-EURODRIVE.



SEW-EURODRIVE Gear Oil for best possible SERVICE LIFE and PERFORMANCE

Lubricants make a decisive contribution to the performance of a gear transmission and have a high impact on the **total cost of ownership**. To ensure that the lubricating oil used represents an optimum compromise between thermal, wear protection, service life, costs, etc., many factors must be taken into account in the selection process.

Experienced gear manufacturers know which oil is best suited to which gear and which application. With its **in-house premium lubricant Gear Oil**, SEW-EURODRIVE recommends an oil whose development is based on almost 90 years of experience in the field of drive technology. Gears can be lubricated with specially adapted lubricants that significantly improve the cost-benefit ratio for the plant operator.

[> LEARN MORE](#)

[Order Now via Online Support](#)

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