

ServiceInfo 1/2024

Vipiteno, July 2024

INTRODUCTION OF KLÜBER LUBRICATION PRODUCTS

Dear Customers,

we are pleased to inform you that we have officially implemented the interchangeability between the original lubricant products mentioned in the Maintenance Manual of your LEITNER installations (e.g. H100GEN104) and the Klüber products.

The following table mentions the evolution of products applicable to before-CE installations:

Application	Klüber Product
Bearings	KLUBERSYNTH EM 94-102
Fitting paste	LP - LONGLIFE*
Spline engagement	STABURAGS NBU 30 PTM
Open gears, rack and pinion	KLUBERPLEX AG11-462
Gearboxes	KLUBERSYNTH MEG 4-150
Ropes	REDAELLI 9 R 100
Ball joints, plastic gears, rubber or plastic linear guides	KLUBERFLUID CM 4-100 Spray

The updated list of consumables (lubricant products) for CE installations has been moved to a separate chapter in the maintenance manual (GEN102, Annex A).

Also, please remember that, if your pre CE installation has an updated maintenance manual, you may have already received the GEN102 chapter. In this case, the GEN102 chapter takes priority over the original list of consumables (lubricant products), while the latter can be supplemented with the information in the table above.

* = Based on our Customers field experience feedback and following five years of internal development, we are excited to introduce a new consumable, the fitting paste LP - LONGLIFE. The product is effective for protecting friction surfaces subject to minimal movement and high static and dynamic loads.

ServiceInfo 1/2024

A dedicated ServiceInfo will be published and it will focus on the peculiar characteristics of this innovative consumable. Chapter GEN102 will be updated accordingly.

Switching to the new, improved lubrication products is not compulsory, but is **very highly recommended** in order to benefit from the following main advantages:

- ✓ **Easier maintenance:** The new products can provide improved ease of maintenance, which means less time and resources spent on lubrication-related tasks.
- ✓ **Greater safety:** Furthermore, safety during maintenance can be increased thanks to fewer interventions being required.
- ✓ **Reduced environmental impact:** By reducing the amount of lubricant required, the new products can contribute to a more sustainable business model and reduce environmental impact.
- ✓ **Quieter operation:** The new lubricants can help reduce noise generated by machinery used in your business, leading to a more comfortable working environment.
- ✓ **Optimization of operational availability:** with the new lubricants, ropeway components show less evidence of corrosion and wear, resulting in increased component life.

We are happy to share with you results that have been achieved in collaboration with our customers by using Klüber lubricants:

- ✓ By using **KLUBERSYNTH EM 94-102**, the **interval for re-lubrication of grips** could be **extended** from 6 months/1.000 operating hours to 12 months/2.000 operating hours.
- ✓ **LP - LONGLIFE** is a true superstar: when using this lubricant, **the lubrication interval for roller conveyors** can be extended from every year/2,000 hours of operation to 3 years/6,000 hours. Economically spoken, this can lead to **savings of up to € 15.000,00 per installation in three years.**
- ✓ **REDAELLI 9 R 100** rope oil is more easily distributed between the rope strands, so only half **as much product** is needed compared to conventional grease. It is **also compatible with the rubber roller liners and pulley liners used by LEITNER.**
Another advantage of oils over grease is that they do not have to be diluted with solvents (which are highly incompatible with rubbers and hazardous to operators' health).
- ✓ If you wish a job to be done in a clean way, then **KLUBERPLEX AG11-462** is the right product for you. **It does not drip** and it is white and helps prevent wear and tear as it has high adhesive properties and remains on the point of application.
- ✓ **KLUBERSYNTH MEG 4-150** is a state-of-the-art synthetic oil with distinct benefits in terms of energy efficiency, temperature stability and durability. It is used particularly in gearboxes and is available **worldwide.**
- ✓ **KLUBERFLUID CM 4-100 Spray** is a truly versatile semi-dry effect product with excellent adhesive qualities and is particularly effective. It is used mainly in ball joints and articulated joints, but it can also be applied to plastic gears, rubber or plastic guides and conveyor chains.

ServiceInfo 1/2024

The above mentioned Klüber products should be used in the following moments:

- ✓ When existing components are **disassembled, cleaned and reassembled**
- ✓ When worn components are **substituted with new ones**
- ✓ During **Special Inspections**, when components need to be disassembled or during **regular inspections**

If you have any questions or need more detailed information on the subject matter, please do not hesitate to contact your LEITNER Account Manager who is always available for this kind of inquiries.

Your LEITNER Customer Service Team