

#### LUBRICATION METHODS AND POLICIES FOR A SUSTAINABLE FUTURE

Dear Customers,

we are pleased to inform you that for gearbox series in the list is possible to use the mentioned Klüber products as alternatives of the ones mentioned in Maintenance Manual:

<b>Gearbox series</b>	<b>Vendor</b>	<b>Klüber synthetic gear oil</b>
KSS	LEITNER	KLÜBERSYNTH MEG 4-150
LP	LEITNER	KLÜBERSYNTH MEG 4-150
PK	Kissling	
Old gearboxes with PG*	LEITNER	KLÜBERSYNTH GH6-80N

\*PG=polyglycol. These oils are not miscible with other oils.

#### WARNING:

If oil type change is foreseen, please contact the installation manufacturer (LEITNER) or oil vendor (Klüber) for receiving detailed instructions.

NOTE 1: for peculiar conditions (e.g. operation in hot and humid environment) LTN and Klüber may evaluate the application of an higher viscosity oil.

NOTE 2: In general LEITNER suggest to use the product KLÜBERSYNTH MEG 4 - 150 (in case of doubt we recommend a preventive check with the LEITNER customer service)

Main Customer advantages:

**More environmental friendly (sustainable) operation:** oil condition can be monitored through time, thus allowing a predictive, on-condition oil replacement (no more fixed schedule means flexible oil life extension) for the benefit of less disposal in the environment and safeguarding maintenance costs.

**Continuous health status monitoring also for mechanical components:** besides oil chemical and physical conditions and its additives composition, an evaluation of wear elements (particles and contaminants) is performed.

**Reduced and optimized maintenance schedule:** only periodical water removal without requiring oil filtering, better behavior at low temperatures (which may avoid the use of heaters during cold starts).

Continuous know-how enrichment through the service analysis.

Cooperative, priority-driven maintenance planning using diagnostic, analytic and historical data.

**Further advantages:** high scuffing and wear protection due to increased viscosity, energy savings due to optimized friction behavior and improved cold start performance.

Your LEITNER Customer Service Team