

your global specialist

Successful energy management
with high-performance lubricants
from Klüber Lubrication.



Utilise savings potential with high-performance lubricants

Every manufacturer and operator want their machinery to run reliably and efficiently to its design life and beyond. We develop matching lubricants for every industrial application to ensure reliable machine function. The right lubricants reduce expenses for energy, spare parts and labour considerably. They enable 6 % of operating costs to be saved, on average. This is how the right lubricant will support you in your effort to meet the requirements for certification according to DIN EN ISO 50001.

Cutting energy costs and protecting the environment in line with DIN EN ISO 50001

Since 2011, this standard has laid the requirements to be met by companies regarding the introduction, application and optimisation of an energy management system. The objective of an energy management system according to DIN EN ISO 50001 is the control and reduction of energy consumption through tapping savings potential. What is often forgotten: Selected high-performance lubricants made by Klüber Lubrication help to tap into savings potential without making larger investments in machines and systems.

This makes your business sustainable and your company will save money. With a certification acc. to DIN EN ISO 50001, your company will reduce its energy costs and improve its ecological footprint. At the same time, this kind of commitment is encouraged by tax reductions.

Many applications harbour potential for saving energy

In all moving machines and motors, friction is generated. The consequences are material wear and also energy loss, which can be directly gathered from the equipment's power consumption. Besides screw-type compressors, it makes sense to focus particularly on gear applications where high torques are transmitted, such as:



Gearboxes



Extruders



Compressors



Hydraulic units

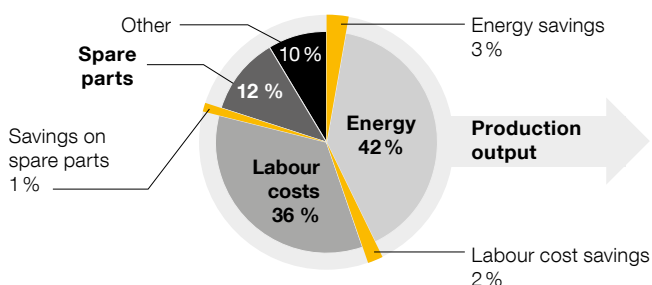


Cooling towers



Pumps

Typical operating costs



Why you should come to us:

- **Competence in the industry:** As a leading company for specialty lubricants, we know your application and its conditions that are relevant for lubrication.
- **Competence in lubrication:** We select the right lubricant for you from a choice of approx. 2000 different products.
- **Efficiency:** We help you reduce your operating costs.
- **Transparency:** We make savings measurable so that you can document them for your certification.
- **Expertise:** We perform measurements according to the international standard IPMVP* Band I EVO 10000-1:2012, under which we are certified.
- **Sustainability:** We reduce your energy consumption and CO₂ emissions.
- **Consulting / service:** Our service team can be contacted for individual consultation and to obtain information on further potential savings.
- **Long-term partnership:** With our product portfolio and training programme we support you in keeping fit for the future.



We make your energy efficiency process measurable.

Since October 2017, a measurable proof of continuous improvement of energy efficiency has been required. With our KlüberEnergy service, we offer you a certified process for measuring and analysing your improvement activities. For this purpose, we will conduct a KlüberEnergy project at your site. We identify savings potential and

measure energy consumption in the original condition and after lubricant changeover. Upon evaluation of the measurement results, we present the specific savings.

EfficiencyManager

KlüberEnergy
Energy efficiency

KlüberMaintain
Maintenance optimisation

KlüberMonitor
Production efficiency

KlüberRenew
Component efficiency

KlüberEnergy Service:

What we offer:

Your benefit:



Energy consulting (tribo-system)

Evaluation of equipment and report on energy savings potential

Find out which of your equipment has a real potential for energy reduction



Energy analysis

Professional measurement of all relevant influencing factors before and after application optimisation

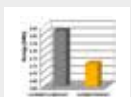
Provides complete transparency regarding savings and energy consumption with a high level of confidence



Energy Measurement

Analysis of measurement data

Maximise efficiency in measurement to avoid retrials



Reporting (energy / cost savings)

Translation of analysis results into relevant key figures

Clear and simple reporting of relevant values, e.g. cost savings, CO₂ emissions, ROI, energy consumption

Contact – our specialists will be pleased to advise you

Just contact us – via your personal Klüber Lubrication consultant, or visit also our website:

www.klueber.com

Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 90 years.

www.klueber.com

a brand of
 **FREUDENBERG**

Edition 11.21

Publisher and copyright:
Klüber Lubrication München SE & Co. KG
Geisenhauserstraße 7, 81379 München

Copyrights:

©shutterstock / PreechaB
©Adobe Stock / Sergey Ryzhov
©Adobe Stock / Detailhoch3
©shutterstock / Jaochainoi1980
©Adobe Stock / Kadmy
©Klüber Lubrication
©shutterstock / Chatchawal Kittirojana