

your global specialist

Speciality lubricants for cranes and winches



Open gears require special lubricants

Open gears used for driving winches and rotating cranes offshore, on ships or in harbours, are exposed to enormous stresses and strains. When operating out at sea, these gears need to be protected from the extreme environmental conditions.

Sea air might be good for a holiday, machine components, however, could well do without it: salty air, together with high humidity, tropical temperatures and sea spray or even crashing waves all take their toll.





Therefore, lubricants used in open gear drives need to meet extremely high requirements: They must not drip or be washed off by sea water, otherwise the tooth flanks would not be optimally lubricated and protected. Some of the consequences of this may be increased wear of the gear teeth, corrosion and, in the end, gear failure.



What provides reliable protection for gear drives?

High-quality adhesive lubricants which truly live up to their name strongly adhere to the surfaces they are applied to and do not drip off. They provide excellent lubrication and corrosion protection for the gear flanks. This type of lubricant can also extend re-lubrication intervals, thus offering the benefit of significantly reduced lubricant consumption.

“Looks” also play an important role in this context. Conventional lubricants for open gear drives often contain graphite and are, therefore, black. If they drip, the deck becomes covered in dark stains, which will require regular cleaning.



The solution: Klüberplex AG 11-462

With Klüberplex AG 11-462, Klüber has launched a speciality lubricant which has been put through the acid test under practical application conditions:



- It offers extremely good adhesion properties
- It does not drip off the gears even in tropical climates
- It can be used in central lubrication systems
- Corrosion protection and lubrication properties are fully maintained even after prolonged periods of standstill
- Soiling and cleaning are kept to a minimum, thanks to the lubricant's light colour
- It permits extended re-lubrication intervals, which leads to a significant reduction in lubricant consumption and costs
- Klüberplex AG 11-462 can also be used for the lubrication of highly loaded rolling and plain bearings; therefore, only a small range of lubricants needs to be stored on board
- As a result, improved reliability and longer gear and bearing life are obtained

Klüber: Decades of experience pay off



By the time Klüber chemists and engineers approve and release a specialty lubricant into the market, there will already be a lot behind it: several months of laboratory tests under extreme conditions followed by extensive field tests. And only when all the people involved are satisfied with the results will the product actually be launched on the market. But that's not everything: All our products and manufacturing processes are subject to continuous improvement and development. No matter in which of our manufacturing plants a lubricant is produced – Klüber's global quality standards apply.

All over the world

We are where you are

It is our aim to provide you with high-quality speciality lubricants and service with consistent high quality around the globe at any time while keeping up our high technological competence. We're achieving this aim thanks to our global network of production and sales companies as well as competent distribution partners and thanks to our highly specialised experts who are at your service when it comes to dealing with your individual enquiries.

Thinking toward the future

Beside top-quality mineral oil-based lubricants for the marine industry, we offer a comprehensive range of synthetic high-performance speciality lubricants which contribute to increased efficiency of marine equipment. Our special lubricants help to extend maintenance intervals and decrease the lubricant quantities required. For eco-friendly operators we have non-toxic, rapidly biodegradable lubricants to offer, which contribute to the sustainable protection of the seas. We generally recommend consulting our lubrication experts prior to selecting a lubricant.

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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 80 years.



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