



Wave & Tidal Energy

NETWORK

COMMUNICATION HUB FOR THE WAVE & TIDAL ENERGY INDUSTRY

North Wales

Oils & Lubrication

INDUSTRY UPDATES



Smooth operation at all temperatures

In the wave and tidal energy sector components have to withstand harsh conditions and work effectively, which is why choosing the right lubricants is crucial to ensure appropriate levels of reliability are maintained. Speciality lubricants from Klüber Lubrication help to maximise the output of equipment and critical assets whether floating or fixed with minimum maintenance intervention to reduce downtime and save costs.

The company is a trusted partner of OEM's worldwide with a portfolio of over 2,500 speciality lubricants designed to perform in the harshest offshore operating conditions and has for over 85 years continually provided greater product durability, solving the most challenging lubrication problems of modern-day equipment.

MATCHING THE RIGHT LUBRICANT WITH THE RIGHT ELASTOMER SEAL

Most wave and tidal energy systems incorporate oil lubricated bearings and gearboxes which have the capacity to leak lubricating oil should the external sealing prove inadequate. The advantage of speciality lubricants with proven and tested 'lube and seal' compatibility is therefore a major design advantage.

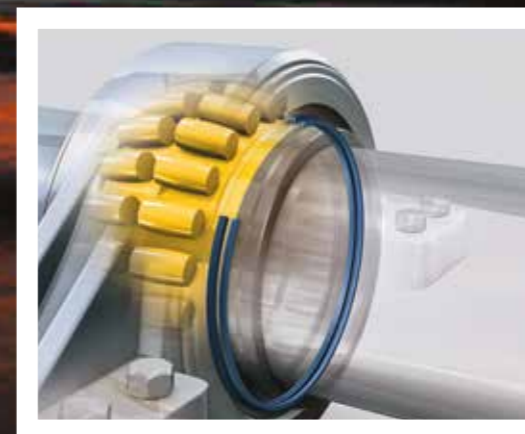


Working together with Merkel Freudenberg one of the world's leading manufacturers of elastomer seals, Klüber Lubrication have successfully developed a range of biodegradable gear oils for use in bearing and enclosed gear systems.

PUSHING THE LIMITS – THE FUTURE OF SPECIALITY LUBRICANTS

Reducing the impact of mineral oil-based lubricants entering the oceans is incumbent on everyone to deliver higher levels of sustainability and work together to protect the environment we operate in.

As an independent supplier of speciality lubricants the company excels at driving improvement measures, their Klüberbio EG 2 gear oils are based on synthetic ester oil – a genuine alternative to mineral oils – which not only meet regulatory and market demands for environmental sustainability



CLOSE COLLABORATION

Through technology, expertise and by working in close collaboration with leading OEMs the company continues to push the limits of efficiency and performance helping to achieve the best operational practices that combine economic savings with environmental benefits.

Klüber Lubrication

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containing more than 90% of renewable raw materials but also bear the European Eco-label, meet the US EPA's requirements for environmentally acceptable lubricant (EAL) classification and comply with OSPAR regulations.

Klüberbio EG 2 gear oils provide high scuffing load capacity to protect the gear teeth against damage even at high peak loads, so protecting the environment without compromising on performance.