

# Explore our range of OEM approved and VGP compliant **Environmentally Acceptable Lubricants**

## HYDROX BIO

- Verified lubrication at high water levels
  - Protects bearings against corrosion
  - Class approved
  - ISO 68, 100 & 220 available
- For stern tubes, stabiliser bearings and CPP hubs



## ECOSURE HSE/EP

- Exceeds requirements of ISO 15380
  - Extended fluid life
  - Good extreme temperature performance
  - ISO 32, 46, 68 & 100 available
- For CPP's, stabilisers, ramps and deck equipment



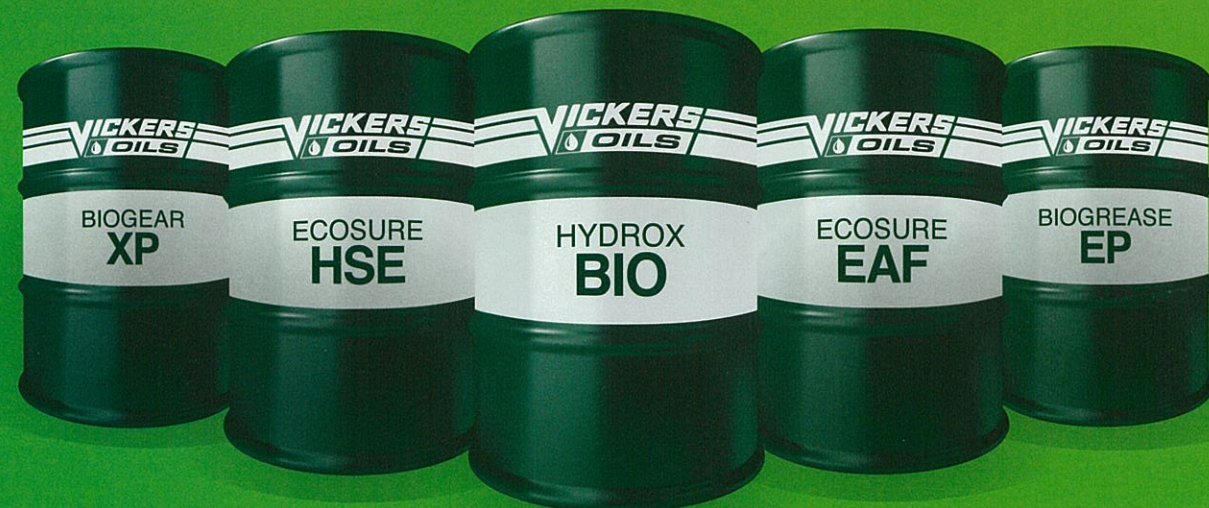
## BIOGEAR XP

- Meets the requirement of DIN 51517
  - Excellent equipment protection
  - Superior thermal stability
  - ISO 68, 100 & 150 available
- For thrusters



## BIOGREASE EP

- Excellent resistance to water wash off
  - Long lasting corrosion protection
  - Good load carrying properties
  - NLGI 0 & 2 available
- For deck equipment, wire ropes and rudder stocks



to find out more visit:  
[www.vickers-oil.com](http://www.vickers-oil.com)

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# Vickers EALs: The SEAL of Approval

Explore our range of innovative, high performance, **Environmentally Acceptable Lubricants**

- Proven performance
- OEM approved and VGP compliant
- Expert, personal technical support
- Worldwide stock availability



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Accredited to the ISO 9001  
Quality Standard and the  
ISO 14001 Environmental  
Management Standard



FM 1851



EMS 40717



With the appearance of a growing number of regulatory requirements and initiatives mandating or incentivising the adoption of EALs, we have the experience and expertise to ease the transition from mineral lubricants, and deliver cost efficiency and performance benefits in the process.

In 2002 Vickers Oils became the first company to make Environmentally Acceptable Lubricants (EALs) commercially available to the global marine market, in response to requests from concerned customers who wished to minimise the potential impact of their operations on the marine environment.

Eleven years later the use of EALs in below-the-waterline equipment was mandated for vessels calling in US waters by the US Environmental Protection Agency (EPA), in its 2013 Vessel General Permit (VGP).

In addition to improving environmental credentials, the use of EALs is one way in which vessel operators can achieve real cost saving benefits through superior performance.

Our EALs offer vessel operators the following distinct benefits:

- Meet the requirements of the **2013 VGP**.
- Offer **superior performance** compared to conventional lubricants.
- Have been used by some operators as evidence of **continuous improvement** for compliance programmes such as ISO 14001 and TMSA.
- Enhance corporate reputation and demonstrate operators' **Corporate Social Responsibility**.
- Offer a **mitigating factor** in some cases of accidental leakage.

