



THE RIGHT CHOICE: FUTERRA HF SERIES PROTECTS YOUR HYDRAULIC SYSTEMS LONGER THAN OTHER EALS

FUTERRA is the leading-edge lubricant designed to outperform every other Environmentally Acceptable Lubricant (EAL) on the market. Formulated with HEPR¹ technology, FUTERRA HF Series is a high performance, Ecolabel Certified Hydraulic Fluid series that is the first of its kind. These renewable hydrocarbon EALs are designed to withstand extreme conditions and corrosion while operating in severe outdoor environments. It is intended for severe service, extreme high temperature (250°F/121°C), low temperature (-40°F/40°C) and high pressure (5000+psi/34,470 kPa) applications.

The FUTERRA HF Series was specially designed for industrial applications where incidental environmental exposure of the lubricant is a cause for concern, as it is:

- Ecolabel Certified
- Compliant with US EPA Vessel General Permit (VGP), IMO Guidelines for Operating in Polar Water and Regelement Onderzoek Schepen op de Rijn (ROSR) for inland shipping
- Non-sheening²
- Meets the requirement of ISO 15380
- EWC / German waste code 13 01 12*

FUTERRA HF SERIES IS THE RIGHT CHOICE AND HERE'S WHY

STANDS UP BETTER IN TOUGH ENVIRONMENTS & KEEPS YOUR EQUIPMENT RUNNING

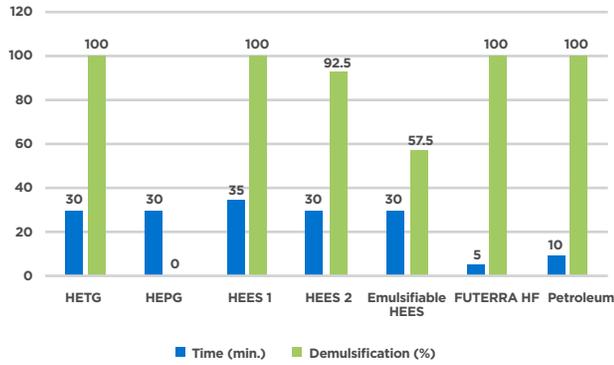
- Excellent oxidative and hydrolytic stability - ensuring that the fluids will last much longer than other EALs and conventional oils
- Excellent corrosion resistance and high temperature stability
- Demulsability - allowing for separation of water from your system, increasing effectiveness of the lubricant and reducing change-outs
- Near zero foam tendency - allowing a longer pump life and more efficient lubrication than even conventional oils

OFFERS GREATER FLEXIBILITY & THE ULTIMATE SYSTEM COMPATIBILITY

- Drop-in replacement for mineral oil based lubricants
- Broad seal compatibility - OEM tested with a wide range of elastomers and conditions
- A lower pour point enables ships to perform effectively through the Arctic
- Compliance across the globe and into the future

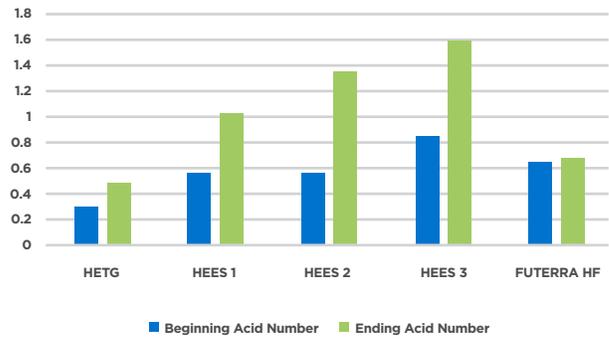
¹ Hydraulic Environmental Polyalphaolefin and related hydrocarbon products
² The Clean Water Act of 1972 mentions discharges of oils should not exhibit any visible 'sheen' on the water's surface otherwise it is considered a pollutant (according to CFR 40 Part 435 A).

Demulsification Rate



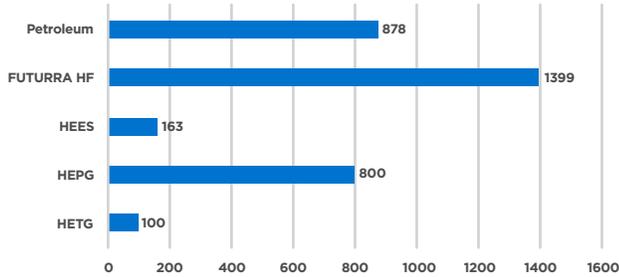
Separates water from the system, increasing effectiveness of the lubricant, extending equipment life.

Acid Generation Oil Phase



FUTERRA HF resists hydrolysis and also neutralizes acid from the lubricating solution keeping corrosive elements out of your components when faced with moisture contamination.

RPVOT Time (min.)



Oxidative stability is 3 to 4 times longer than other EALs, resists breakdown and extends the life of the fluid, even past petroleum.

TYPICAL APPLICATIONS

- Stern tubes
- Thrusters
- Deck equipment
- Dredging equipment
- Pile driving equipment
- Construction equipment
- Rail construction
- Bucket trucks

Futerra™ HF Series meets the requirements of multiple original equipment manufacturers. Contact customer service for a full list of OEM approvals.

HEPR TECHNOLOGIES & PRODUCTS:

FUTERRA™

- HF Series - High Performance, Ecolabel Certified Hydraulic Fluids

EnviroLogic®

- GO Series - Readily Biodegradable Synthetic Gear Oils
- HF HP Synthetic Hydraulic Fluids