



## ALCO-EP™ ECF™

OSPAR Commission – HOCNF

Classification - “Yellow” Rating for Norway

- “E” for the United Kingdom & The Netherlands

### DESCRIPTION

**ALCO-EP™ ECF™** is a premium, state-of-the-art, multi-purpose complex grease thickening a blend of synthetic oils selected to provide the level of bio-degradation required to meet the Norwegian “Yellow” and the combined UK and Netherlands “E” categories. These are the safest environmental ratings for lubricating grease. The non-plating, organic EP/anti-wear additives allow **ALCO-EP ECF** to be used where tolerances are low and/or speeds are high.

**ALCO-EP ECF** also contains polymer additives, further enhancing the inherent water resistance of complex-based grease. **ALCO-EP ECF** is extremely resistant to rust and corrosion and is ideally suited for use in high-moisture areas, including subsea applications.

- Operating Range from -10°F (-23°C) to 450°F (232°C)
- Superior rust and corrosion protection for maximum service life under harsh conditions
- Dropping Point 500°F (260°C)
- Polymer additives for extreme water resistance
- Biodegradable
- Color - Pale Red
- Exceeds Military specification MIL-G-18458B-SH
- Approved for use on sunch & RL-4 and other similar oilfield connections.

This product is formulated to contain no detectable, leachable, volatile organics by EPA Test Method 1311-TCLP number SW846 8260B as determined by independent, 3rd party testing.

### APPLICATIONS

Specially formulated and developed for subsea or other conditions where extreme water resistance is necessary. Highly developed additive package makes **ALCO-EP ECF** the premier, multipurpose grease for hostile environments. Ideal for certain RISER, WASH PIPE and other proprietary connection designs.

### PRODUCT CHARACTERISTICS

|   |                                    |
|---|------------------------------------|
| Thickener Fluid Type                                  | Complex Synthetic & Vegetable Oils |
| Color/Appearance                                      | Pale Red Sticky Grease             |
| Dropping Point (ASTM D-566)                           | 500°F (260°C)                      |
| Specific Gravity                                      | 0.96                               |
| Density (lb. /gal)                                    | 8.0                                |
| Additive Type   | EP/AW, R&O                         |
| Flash Point (ASTM D-92)                               | >430°F (221°C)                     |
| Autoignition Point (Calculated)                       | >500°F (260°C)                     |
| NLGI Grade  | 2                                  |
| Approx. Safe DN Limit Penetration @ 77°F (ASTM D-217) | 400,000<br>265 – 295               |
| Copper Strip Corrosion (ASTM D-4048)                  | 1A                                 |
| Wear Scar Diameter (ASTM D-2266)                      | 0.7                                |
| Oxidation Resistance (ASTM D-942)                     | <5.0                               |
| PSI Drop, 100 hours EPA 1311-TCLP                     | Non-detected                       |

**For package types and part numbers contact [sales@jetlube.com](mailto:sales@jetlube.com).**

### LIMITED WARRANTY

For warranty information please visit

[http://www.jetlube.com/pdf/Jet-Lube\\_Warranty.pdf](http://www.jetlube.com/pdf/Jet-Lube_Warranty.pdf)

You can also email us at [sales@jetlube.com](mailto:sales@jetlube.com) or write to the Sales Department at the address below.