



ALCO-EP™ ECF™

EXTREME-SERVICE MULTIPURPOSE GREASE

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

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. Testing results are available upon request.

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	Complex
Fluid Type	Synthetic & Vegetable Oils
Color/Appearance	Pale Red Sticky Grease
Dropping Point (TYPICAL)	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	400,000
Penetration @77°F (ASTM D-217)	265-295
Copper Strip Corrosion (ASTM D-4048)	1A
Wear Scar Diameter (ASTM D-2266)	0.7
Oxidation Resistance (ASTM D-942) PSI Drop, 100 hours	<5.0
EPA 1311-TCLP	Non-detected

PACKAGING

Code No.	Container Size	Container
37150	14 oz.	Cartridge
37116	35 lb.	Pail
37124	120 lb.	Drum
37129	400 lb.	Drum

LIMITED WARRANTY

Jet-Lube, Inc. makes the Limited Express Warranty that at the date of delivery this product shall be free from defects in Jet-Lube, Inc. materials and workmanship.

This Limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube, Inc.

The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube, Inc. shall not be liable for incidental or consequential damages.

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