



## TORQUE EAL

### PRODUCT DESCRIPTION:

To reduce the environmental impact and PROTECT THE ENVIRONMENT: from accidental oil spills, Lubrex has developed a range of synthetic oleochemical esters based biodegradable hydraulic oil products. The Torque EAL range of biodegradable hydraulic oils are readily biodegradable lubricants which meet very strict criteria and requirements in terms of biodegradability and toxicity.

### APPLICATION:

Torque EAL lubricants are designed for use in high pressure industrial, marine, construction and mobile applications that are operated in environmentally sensitive areas. Use in applications that require any of the following:

- Pw1 Ultimate Biodegradability (ASTM D5864)
- OECD 301B Readily Biodegradable
- Vessel General Permit (VGM) Compliant
- EN 16807: European Standard

### FEATURES & BENEFITS:

- Excellent biodegradability (ultimately biodegradable)
- Low aquatic toxicity
- Good antiwear and anticorrosion performance
- Non bio accumulating
- Very high renewability content
- Excellent low temperature flow properties
- Excellent oxidation stability
- Good SRE-NBR seal compatibility

### TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	TORQUE EAL		
ISO VG			46	68	100
Kinematic Viscosity @ 104°F /40°C	ASTM D7042	cSt	46	68	100
Kinematic Viscosity @ 212°F /100°C	ASTM D7042	cSt	8	10.8	14.5
Viscosity Index	ASTM D2270	-	148	149	150
Density@15°C/ 60°F	ASTM D4052	g/cm <sup>3</sup>	TBR	TBR	TBR
Flash Point (min)	ASTM D92	°C	280	284	286
Pour Point (max)	ASTM D97	°C	-44	-42	-40
Copper Strip Corrosion 3 hours @ 100° C	ASTM D130	-	1A	1A	1A
Rust Characteristics	ASTM D665A&B	-	PASS	PASS	PASS
Foam Sequence I, II, III	ASTM - D892	ml	0/0, 0/0, 0/0	0/0, 0/0, 0/0	0/0, 0/0, 0/0
Demulsibility, 54°C, 3ml emulsion	ASTM - D1401	minutes	40/40/0 (15)	40/40/0 (20)	40/40/0 (20)

**DISCLAIMER:** The test data provided above is not a specification but is indicative and may vary within permissible production tolerances. Lubrex reserves the right to modify this test data. Updated information will supersede previous versions, so please refer to the latest version of this Technical Data Sheet (TDS).

### HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS available on our website [www.lubrex.net](http://www.lubrex.net)

### HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet [www.lubrex.net](http://www.lubrex.net)

### PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

### STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

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