



## AXENT EAL

### PRODUCT DESCRIPTION:

To minimize environmental impact and PROTECT THE ENVIRONMENT from accidental oil spills, Alpha has developed a range of biodegradable hydraulic oils based on synthetic oleochemical esters. The AXENT EAL range consists of readily biodegradable lubricants that meet stringent criteria for biodegradability and toxicity, ensuring superior environmental compatibility while maintaining high-performance lubrication.

### APPLICATION:

AXENT EAL lubricants are specifically designed for high-pressure industrial, marine, construction, and mobile applications operating in environmentally sensitive areas. They are ideal for 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              | AXENT 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 presented above is for reference only and not a specification. It may vary within acceptable production tolerances. Alpha reserves the right to update this data, with the latest version of the Technical Data Sheet (TDS) taking precedence over previous versions.

### HEALTH & SAFETY, ENVIRONMENT:

Extended and repeated exposure to oil may lead to skin issues. Avoid contact. If contact occurs, wash immediately with soap and water. Do not dispose of used oil in drains or the environment. Instead, take it to an authorized oil collection facility. For more safety information, please refer to the MSDS available on our website: [www.alphaoil.ae](http://www.alphaoil.ae)

### HEALTH & SAFETY:

When used correctly in the recommended application and with proper personal hygiene, this product is unlikely to pose significant health or safety risks. For detailed safety information, refer to the Safety Data Sheet (SDS), available upon request from your local sales office or online. [www.alphaoil.ae](http://www.alphaoil.ae)

### PROTECT THE ENVIRONMENT:

Dispose of used oil at an authorized collection point. Follow local regulations and avoid releasing it into drains, soil, or water.

### STORAGE:

We recommend storing all packages under cover. If outdoor storage is necessary, drums should be placed horizontally to prevent water ingress and protect drum markings. Products should not be stored above 60°C or exposed to direct sunlight or freezing conditions.