

Key Benefits

- High dilution ratio (100:1)
- High-performance ferrous and non-ferrous corrosion protection
- Excellent extreme pressure and anti-wear lubrication properties
- High resistance to microbial contamination
- Good mixed fluid stability with hard water (<250ppm) and seawater ingress (10%)
- Complies with API 16D
- Manufactured to NAS 1638/AS 4059 Class 6/6b-f or better cleanliness
- Compatible with Erifon HD603HP Series, Erifon CLS Series, Erifon Ecomac Series
- Free Fluid Monitoring programme ensures long service life

Description

Erifon HD856 is an industry standard; dilutable, water-based hydraulic fluid offered since 1979 for use in open / vent to sea Blow Out Preventer (BOP) control systems.

Erifon HD856 is typically used at 1% dilution in fresh potable water (hardness <250ppm) and standard glycol if anti-freeze protection is required.

Approvals

Erifon HD856 meets acceptance requirements of equipment manufacturers.



Typical Physical Properties

Erifon HD856

| | |
|---------------------------|--|
| Appearance | Clear Dark Blue Slightly Viscous Fluid |
| Specific Gravity @15.6°C | 1.10 |
| pH (neat) | 9.6 |
| pH @ 2% | 9.3 |
| Pour Point | -29°C (-20°F) |
| Kinematic Viscosity (cSt) | |
| -20°C (-4°F) | 12.7 |
| 0°C (32°F) | 85 |
| 20°C (68°F) | 20 |
| 40°C (104°F) | 8 |

For further recommendations, technical information, Health & Safety data sheets, OEM or environmental approvals, email wigansales@macdermid.com

THE CONTROL FLUID TECHNOLOGY LEADER

Erifon HD856 Series | Issue No. 11 Date: Oct 2015 | www.macdermid.com/offshore

Environmental Information

MacDermid maintains worldwide environmental approvals and can offer Erifon Exploration control fluids suitable for use in every exploration and production region around the world. The current environmental status of Erifon HD856 fluids in your area can be obtained from our environmental specialists.

Storage

Erifon HD856 should be stored in dry conditions, ideally out of direct sunlight. Normal storage temperature range is 5 to 40°C.

Material Compatibility

Erifon HD856 fluids contain performance additives which ensure high levels of compatibility with materials typically used in Blow Out Preventer (BOP) control systems. Extensive material compatibility tests have been performed with Erifon HD856 fluids.

| | |
|--|--|
| Ferrous metals (cast iron, carbon steel, low & high alloy steels, stainless steels...) | Compatible |
| Non-ferrous metals (copper, brass, bronze and other metals and alloys*) | Compatible with alloys typically used in hydraulic control equipment Avoid Zn, Cd, Pb and Mg metals. Aluminum should be hard anodized |
| Coatings and ceramic materials | Avoid porous coatings. Compatible with most ceramic parts. Check ceramic coatings |
| Packaging & sealing materials (elastomers and thermoplastics*) | Compatible with standard NBR, HNBR, FFKM, VMQ/FMVQ, CR, TFE/PTFE, PEEK. Some FKM & AU/EU/PU may show poor compatibility |
| Umbilical hose liner thermoplastics | Compatible with Nylon 11, PE and Polyether ester copolymers |
| Absorbent gasket materials | Avoid cork, leather, cotton impregnated materials |
| Paints | Avoid painting internal surfaces Cured epoxy, phenolic and nylon based paints are satisfactory. Avoid less resistant paints as they soften. Wash spillages immediately with water |
| Filter elements | Polypropylene and glass fiber filter elements recommended over paper filters |

* As material compatibility varies from compound to compound and supplier to supplier, consult supplier for recommendations or request specific compatibility tests.

MacDermid Offshore Solutions A Subsidiary of MacDermid Group

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