



Subsea Range

HIGH DENSITY ENVIRONMENTAL OIL (Extreme Pressure)

HDEO^{EP} (Extreme Pressure) is a version of our High Density Environmental Oil with a significantly increased weld load.

HDEO^{EP} is designed for applications where a specific gravity greater than seawater is required, particularly in equipment with a heavy load distribution.

Typical applications include use as a displacement fluid in subsea valves and other applications where displacement of seawater (or water) is desirable.

HDEO^{EP} offers outstanding environmental properties and is an OCNS E (with no substitutable components) for UK discharge and boasts a Yellow Y1 environmental classification for use in Norwegian waters.

HDEO^{EP} exhibits excellent corrosion protection, long term stability, microbiological protection, material compatibility and all round technical performance. HDEO^{EP} also offers freeze protection and is insoluble in seawater/water.

HDEO^{EP} has undergone extensive elastomer and metal compatibility testing with individual system components.

PHYSICAL PROPERTIES

Appearance	Pale Yellow
Pour Point (°C)	< -30 *
Upper Temperature (°C)	180
Specific Gravity	1.063
Viscosity @ 0 °C	2805
Viscosity @ 20 °C	630
Viscosity @ 40 °C	182
Water Solubility	Insoluble
Oil Solubility	Miscible

* Whilst the pour point of HDEO is -30 °C, Offshore Environmental Oils recommends a minimum operating temperature of -10 °C due to the rapid increase in viscosity upon cooling below -10 °C.



Offshore Environmental Oils

Walter Leigh Way, Moss Industrial Estate
Leigh, Lancashire, WN7 3PT, UK

Telephone +44 (0) 8452 967751

Fax +44 (0) 8452 967752

Email tech@offshore-oils.com

Website www.offshore-oils.com