



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 D (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 outstanding Health and Safety Properties and is classified as 'Non Hazardous'

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



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* 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.