



Certificate No: 2906/01

Niche Products Limited

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Certified ISO 9001-2000

For the Development, Manufacture
and Supply of Speciality Chemicals



Subsea Fluids Division

Pelagic V18 Water Based Hydraulic Fluid

Pelagic V18 Water Based Hydraulic Fluid is suitable for use in a wide range of applications, including use as a Pre-Mixed BOP Hydraulic Fluid and as a Heave Compensator/ Tensioner Fluid.

Key Competitive Parameters:

Pelagic V18 is an environmentally friendly, high technology alternative to current BOP and Heave Compensator products on the market today.

Pelagic V18, being water based, gives a high degree of resistance to fire and explosion in high-pressure air operated units.

Pelagic V18 has excellent Lubrication and Anti-Wear Properties (Falex Test Protocol).

Pelagic V18 is extremely stable and has excellent corrosion protection properties.

Corrosion Protection

Individual Metal testing conducted in-house by accelerated weight loss, shows Pelagic V18 to be fully compatible with metals commonly used in Hydraulic Systems. The product also has the ability to protect metals in the presence of significant levels of seawater.

The fluid will also have no adverse effect on the seal packing compounds generally used in the construction of hydraulic systems and has the ability to protect metal surfaces in non-wetted parts of the system.

Please contact us for a full technical manual outlining detailed test results.

Microbiological Protection

Pelagic V18 contains an inorganic bacterial and fungal growth inhibitor designed to prevent bacteria and fungus growing, as well as killing cultures as they form. This inhibitor is also not consumed as part of the protective mechanism, leaving it better able to defend the fluid in the longer term.

Typical Physical Properties

Appearance	Clear & Bright
Specific Gravity (20°C)	1.05
Freeze Point	<-30°C
pH (20°C)	9.40
Viscosity at 40°C	18 cS
Upper Operating temp	60°C

Environmental Parameters

A Full HOCNF (Harmonised Offshore Chemical Notification Format) document is available for submission to Government and Environmental protection agencies where required.

Application Information

Pelagic V18 is acceptable for use in several types of BOP system and is particularly well suited to BOP Systems on Jackups/Barges currently using water based fluids.

Pelagic V18 is also suitable for use in compensator/tensioner systems currently running on Erifon 818/ Houghtosafe products.

Pelagic V18 is also suitable in some compensator/tensioner and BOP systems currently running on mineral oil, although a full system flush will be required prior to changeover.

Please contact Niche technical staff for full details on application and changeover.

Further Information

For further information, please contact us:

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Information given in this publication is based on Technical Data gained in our own and other laboratories and is believed to be true. However, if the material is used in conditions beyond our control, we can assume no liability for results obtained or damaged incurred through the application of the data present herein.

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