

### Key Benefits

- **Qualified to ISO13628-6 /API 17F, approved for use by all major equipment manufacturers**
- **Specified for high-pressure & high-temperature wells with downhole temperatures up to 180°C / 356°F**
- **Excellent corrosion protection (liquid & vapor phase) and lubrication properties**
- **Outstanding stability with high levels of seawater ingress**
- **Resistant to microbial infection**
- **Fluorescent dye for leak detection**
- **Fully compatible with Oceanic HW500 Series, HW500P Series, HW500E Series, HW443 Series & XT900**
- **Manufactured to NAS 1638/AS 4059 Class 6/6b-f or better cleanliness**
- **Meets stringent global environmental acceptability regulations**
- **Free Fluid Monitoring programme ensures long service life**

### Description

High-performance, high-temperature water-based hydraulic fluids with an operational temperature range from -25°C to 180°C (-13°F to 356°F). Oceanic HW740 R is used in modern open and closed loop Subsea Production control systems.

### Approvals

Oceanic HW740 R is approved for use by all major equipment, umbilical, DCV & DHSV manufactures. Oceanic HW 740 R is for high-pressure, high-temperature applications tested to and meeting the acceptance criteria within ISO13628-6.



### Typical Physical Properties

#### Oceanic HW 740 R

Appearance	Clear Red/Pink Fluorescent Fluid
pH	9.0
Specific Gravity @15.6°C	1.07
Kinematic Viscosity (cSt)	
-20°C (-4°F)	25
0°C (32°F)	9.2
40°C (104°F)	2.5
Pour Point	<-31°C (24°F)

Complies with API 6A class P,R,S,T,U & V

For further recommendations, technical information, Health & Safety data sheets, OEM or environmental approvals, email [wigansales@macdermid.com](mailto:wigansales@macdermid.com)

THE CONTROL FLUID TECHNOLOGY LEADER

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OCEANIC HW 740 R

### Environmental Information

MacDermid maintains worldwide environmental approvals and can offer Oceanic Subsea Production control fluids suitable for use in every exploration and production region around the world. The current environmental status of Oceanic HW740 R in your area can be obtained from our environmental specialists.

### Storage

Oceanic HW740 R should be stored in dry conditions, ideally out of direct sunlight. Normal storage temperature range is 5 to 40°C.

### Material Compatibility

Oceanic HW740 R contain performance additives which ensure high levels of compatibility with materials typically used in subsea production control equipment. Extensive material compatibility tests have been performed with Oceanic HW740 R.

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 subsea production 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 have proven to be incompatible
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

#### Manufacturing Locations

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