

Synthetic Hydraulic Fluid**DESCRIPTION**

Castrol have developed Brayco Micronic 865 as a complementary fluid to Brayco Micronic 864, on which much technology is based. Brayco Micronic 865 is a low viscosity, synthetic hydrocarbon hydraulic fluid with good corrosion and anti-wear properties, controlled rubber swell and excellent oxidation stability.

APPLICATION

Castrol Brayco Micronic 865 has similar characteristics to Micronic 864, but has been formulated to tolerate higher levels of sea water ingress without detrimental effect. It is therefore particularly well suited to control systems in which repeated making and breaking of subsea connectors is likely to occur and where it is not always practical to carry out an immediate system flush after such an operation.

FEATURES

- ◆ Excellent shear stability and corrosion protection
- ◆ Good anti-wear properties and oxidation stability
- ◆ Keeps rubber swell within controlled limits
- ◆ Exceeds cleanliness standard of NAS 1638 Class 6 when tested by the HIAC method and NAS 1638 Class 4 by FTM 3009
- ◆ Excellent low temperature performance
- ◆ Brayco Micronic 865 is even more environmentally acceptable than Brayco Micronic 864

Brayco Micronic 865 is fully compatible and miscible in all proportions with Brayco Micronic 864 and Brayco Micronic 864 HT/200. It is compatible with all metals used in subsea control systems, and with most elastomers and plastics including Nitrile, Viton and PTFE. It should NOT be used with Ethylene Propylene (e.g. EPDM) elastomers, which are not compatible with any hydrocarbon-based fluids.

The wearing of impervious PVC (or other suitable material) apron and gloves, together with eye protection is recommended. Contaminated clothing should be changed immediately and thoroughly cleansed before re-use. This applies especially to under garments.



TYPICAL PHYSICAL CHARACTERISTICS

Relative Density @ 20°C	0.826
Pour Point, °C	< -60
Flash Point, °C	160
Acid N ^o , mgKOH/g	2.8
Colour (ASTM D1500)	3
Viscosity, cSt	
@ 100°C	3.5
@ 40°C	11.3
@ -40°C	735
Viscosity Index	212
Copper Corrosion (ASTM D130)	1b
Steel Corrosion (ASTM D1748) 150 hrs	Pass
Foam Test Sequence, mis	
Sequence I	30/0
Sequence II	20/0
Sequence III	20/0
Air Release Value @ 50°C, mins	27
Seal Compatibility Index	9.5
Synthetic Rubber Grade 'L' Swelling 168hrs @ 158°C, %	14.0

Health and Safety information sheets are available for all Castrol products from the address below.

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