

System Integrity Screen Package



When considering a subsea hydraulic fluid for a new system (or when considering a fluid change on an existing system), Subsea Fluid Services is the only company in the world that can offer independent testing across all the key performance areas outlined below.

For a relatively small cost SFS can assist clients assess the likely performance of the fluid within a subsea system and root out potential performance issues before they occur. Our Silver and Gold packages are designed to act as a buffer against failure and as an insurance policy and quality control measure towards ongoing system integrity.

Silver Packages

DCV Testing

25,000 cycles @ 10k PSI or 10,000 cycles @ 20k PSI

Umbilical Hose Sections

Thermoplastic: 1m/60°C Cycle Testing (ISO 13628-5)

Steel Tube: 3m/70°C Soak Testing (ISO 13628-6) without additional Tensile testing

Corrosion & Elastomer Testing

3m/70°C testing to ISO 13628-6 (≤ 20 tests)

Tribology Testing

500lb/30 min Falex test and Four Ball Wear scar to international standards

Fluid Compatibility

Up to 4 chemicals tested to ISO 13628-6 on seawater, brines, production chemicals and other fluids

Consultation

20 hours assistance with selection of test materials and general performance advice as required

Gold Packages

DCV Testing

50,000 cycles @ 10k PSI or 25,000 cycles @ 20k PSI

Umbilical Hose Sections

Thermoplastic: 3m/60°C Cycle Testing (ISO 13628-5)

Steel Tube: 3m/70°C Soak Testing (ISO 13628-6) with additional Tensile testing

Corrosion & Elastomer Testing

3m/70°C testing to ISO 13628-6 (≤ 40 tests)

Tribology Testing

Silver package + 4 ball weld load to international standards

Fluid Compatibility

Up to 6 chemicals tested to ISO 13628-6 on seawater, brines, production chemicals and other fluids

Consultation

40 hours assistance with selection of test materials and general performance advice as required

Notes

1. Additional DCV Testing available when converting hydraulic fluids within an existing asset.
2. Proposals based on DCV's, manifold blocks, hydraulic fluids and test materials being provided by customer.
3. Extended DCV testing to 1m cycles and beyond as well as 'hold testing' also available upon request.