

## ROV Operated Sampling and Injection Solution Subsea Sampling

### Client:

Multi-national oil producer

### Location:

Offshore West Africa

### Equipment:

Subsea sampling system capturing reservoir fluid samples at temperature from subsea manifolds 2,500 metre depth

### Scope

The subsea sampling system is fully compliant with NACE requirements, and meets the high engineering standards set by the American Petroleum Institute. The Proserv subsea sampling system successfully completed full and detailed FAT testing at under the careful scrutiny of the oil producer's QA/QC Inspector.

### Benefits

- Trace heating on sample cylinders
- Modular design for easier build and maintenance
- Real-time instrumentation for pressure and temperature
- Visual indicators for accurate sample volume verification

### Project Background

A multi-national oil producer commissioned Proserv to design, manufacture and supply a subsea sampling system capable of capturing reservoir fluid samples from subsea manifolds located in water depths of up to 2,500 metres to support their operations offshore West Africa.

### Solution

A project delivery team was established involving design engineers, project managers, planners, buyers and technicians, who all worked closely to deliver this project to exact design specification.

The ROV operated system (with interfaces as per ISO 13628-8) was designed to meet the following requirements:

- 2 x 12 litre sample cylinders
- 2 x 12 litre slops cylinders
- Max water depth of 2,500 meters
- Fluid connection via flexible jumper with UniTech interface

The system was completed, successfully tested and shipped out to West Africa ready for use only one year later.



ROV operated system w/interfaces ISO 13628-8