



Lifecycle Services for the Oil & Gas Industry

Asset
Hydratong MPT 200
Owner
Aban Singapore Pte Ltd
Location
Singapore
Duration
3 months
K2's team
Drilling Equipment Supervisor
Service Technicians
NDT Technicians

Iron Roughneck Overhaul: Singapore

K2 Specialist Services carried out a complete overhaul of the Hydratong MPT 200 in Singapore as part of an unscheduled maintenance due to equipment failure.

Project Scope

- Complete overhaul of the Hydratong MPT 200 which includes disassembly of the unit and full inspection of all parts including pressure testing, NDT inspection and dimensional checks on all pins/bosses of the unit.
- Replacement and pressure testing of all HP hoses. Creation of a hose register to record hose/fitting details and location.

Challenges

- Poor overall condition of the Hydratong MPT 200
- K2 Engineering team has to assist with the drawings of the components for fabrication as some components were not available.
- Exact material for Spherical Bronze bearings had to be correctly identified .
- Sourcing for a supplier capable of machining 4D components.

K2 Approach

Utilizing all facets of our technical capability on this project:

- Mechanical Disciplines
- Hydraulic Disciplines
- Engineering / Design
- NDT and pressure testing
- Mechanical Completion - Commissioning

K2 Comments

“A challenging project for K2, we used the full range of our service portfolio and produced an excellent job. A full test set up was manufactured to ensure the client could witness function test prior to delivery. “ Derek Burr, K2 Services Director

Client Feedback

“Good communication and attitude to safety and thank you for reporting any possible delays in a timely manner as it helped us to co-ordinate accordingly. Excellent job well done to you and your team.”