



API RP 8B Drilling Equipment CAT IV Inspections: Singapore

K2 Specialist Services carried out API RP 8B CAT IV inspections on Travelling Blocks (x2), Crown Cluster, Fast Line, Dead Line, Compensator Blocks and Dolly Frame as part of Atwood Oceanics five yearly maintenance schedule.

Project Scope

- Complete overhaul of Drilling Equipment which includes disassembly of all units.
- Full inspection of all the components including NDT and dimensional checks on all pins/bosses, rope grooves and load bearing areas of all equipment.

Challenges

- The amount of wear on much of the equipment was excessive and many parts had to be replaced.
- The pin bosses on the compensator block had elongated holes and the pins were worn excessively, the bosses had to be line bored and oversized pins were fabricated and fitted.
- Bearing cones from the dolly rollers were extremely tight, we had to design / fabricate a jig to remove the bearings.

K2 Approach

K2 rig building teams dismantled all drilling equipment, delivered and reinstalled back the entire drilling equipments to K2 workshop for overhaul. Upon completion of overhaul, client had to monitor and sign off on completed worksopes.

- Rig building – removal and reinstallation of equipment
- Mechanical Scopes
- Inspection
- Structural Repairs
- Painting

K2 Comments

“A perfect example of our capability to provide a one stop service, K2 removed the equipment, overhauled and reinstalled the equipment”, Derek Burr, K2 Services Director

Client Feedback

“The team has been very professional all the time. The installation was completed in a safely manner and in a given period of time.”

Lifecycle Services for the Oil & Gas Industry

Asset
Drilling Equipment
Owner
Atwood Oceanics
Location
Singapore
Duration
2 months
K2's team
Drilling Equipment Supervisor
Service Technicians
NDT Technicians