



SPARROWS

CASE STUDY

150 TE KNUCKLE BOOM CRANE MAINTENANCE

Specialist support is essential to ensure your cranes are reliable and in peak condition

BENEFITS

Quick delivery in line with the docking schedule

24 hour support throughout the docking scope

Cost effective solutions

A solution that provided minimal disruption to other ongoing docking scopes



CLIENT
Subsea 7

ASSET
Simar Esperanca
construction vessel

LOCATION
Gibraltar

CHALLENGE

With periodical maintenance due to be carried out, Subsea 7 engaged with Altrad Sparrows to conduct necessary work on their 150 Te knuckle boom crane whilst docked in Gibraltar.

SOLUTION

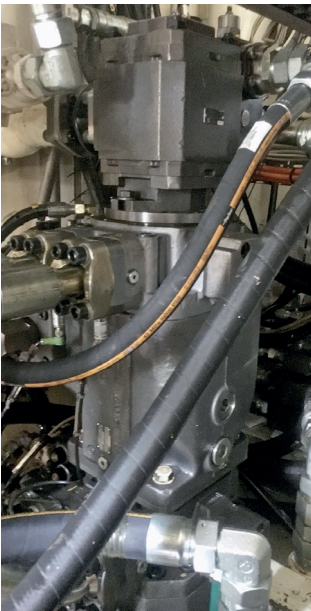
We immediately mobilised a specialist squad of six personnel to carry out the following maintenance:

- Spooling of the main winch wire rope
- Replacement of pump stacks (2 x 3 pumps)
- Replacement of the two auxiliary winch hydraulic motors
- Replacement of two main winch hydraulic motors
- Refurbishment of the main winch
- Replacement of slewing fasteners
- Replacement of slew drive seals
- Replacement of hoses and pipework
- Replacement of two luffing cylinders
- Replacement of two knuckle cylinders
- Replacement of cab accessories
- Removal and installation of two electric motors
- Crane condition evaluation
- Load test (proof) winch davits
- Load test (proof) 150 Te crane.

SUMMARY

- Supply of replacement pumps and motors
- Tooling and equipment provision
- Multi-disciplined engineering services
- Rigging and cherry picker services
- Load testing.

1.



2.



3.



1. Pump replacement.
2. Slew fasteners.
3. Cylinder removal.

DELIVERY ASSURED

For more information please visit www.altradsparrows.com