

Service Report / Report

Customer: Vestdavit AS

Servi ref: AO 21680

Customer no: 64641

Customer ref: Julian Moss

Return no:

Phone: 46546900

Fax:

Delivery address: Damsgårdsveien 143, 5160 Laksevåg

Assignment type:

Report Description / Report Description:

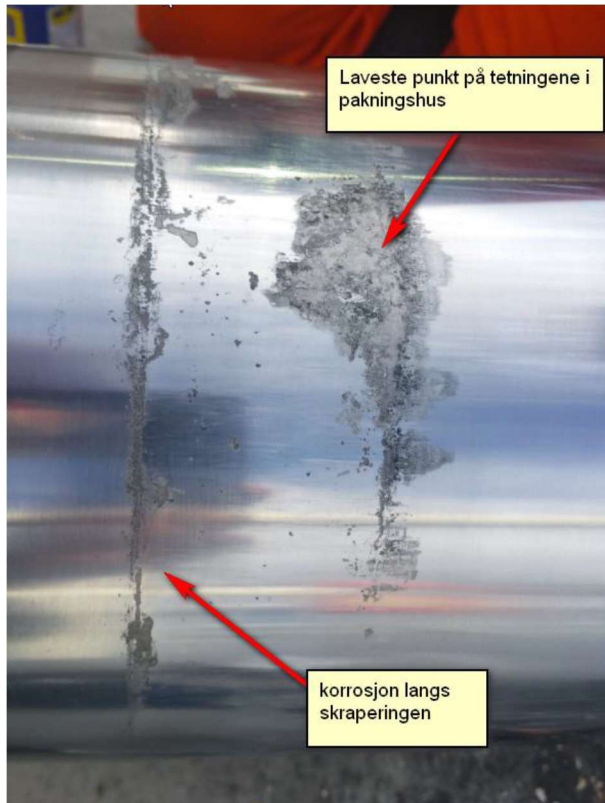
Disassembly, inspection, and replacement of seals on Shock absorber port side on board Ramform Titan

We were asked by Julian Moss at Vestdavit AS if we could assist their technicians with the repair of a hydraulic leak on the port shock absorber, on board the Ramform Titan. The boat was scheduled to arrive at Hegreneset Kai on Wednesday 07.09.16. There, the shock absorber was to be disassembled and taken to our workshop for replacement of seals on the hydraulic cylinder.

07.09.16:

We met at Vestdavit at 07:30 and then traveled with their technicians to the boat. On board the boat, we saw that the job could be done on board. This would save us a lot of time with disassembly, assembly, lifting, and transport. We therefore decided to continue the work on board.

We started by draining the oil from the hydraulic cylinder. Nitrogen had been drained down to approx. 20 bar by the crew, so there was no need to drain more here. (Ref. service manual for repair of hydraulic cylinder). When the oil was pumped out, we pulled the cylinder rod out approx. half a meter for inspection. We then found large areas with fittings/corrosion on the rod in the area around the scraper ring and inwards on the seals.



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Vestdavit contacted PGS to clarify whether we should continue disassembly and have the rod repaired or wait for a new rod to be purchased. At PGS's request, it was decided that we should replace the seal set in the seal housing and put the rod back. A new rod would be purchased and installed when it was delivered.

The seal set we had available on board was a repair set with split seals. This can be replaced without pulling the rod all the way out. This was installed and the cylinder was reassembled. The scraper ring was not included in the set and was therefore not replaced.

08.09.16:

To avoid air in the damper, PGS wanted us to refill new oil. We therefore returned to the boat the next day. Oil and pump with fill filter were prepared by the crew. Oil filling and venting were carried out according to the service manual. The crew would fill nitrogen themselves.

Date: 08.09.16

By / Performed by: Arve Ask