Thompson Mid-life Update

Timeline - Milestones

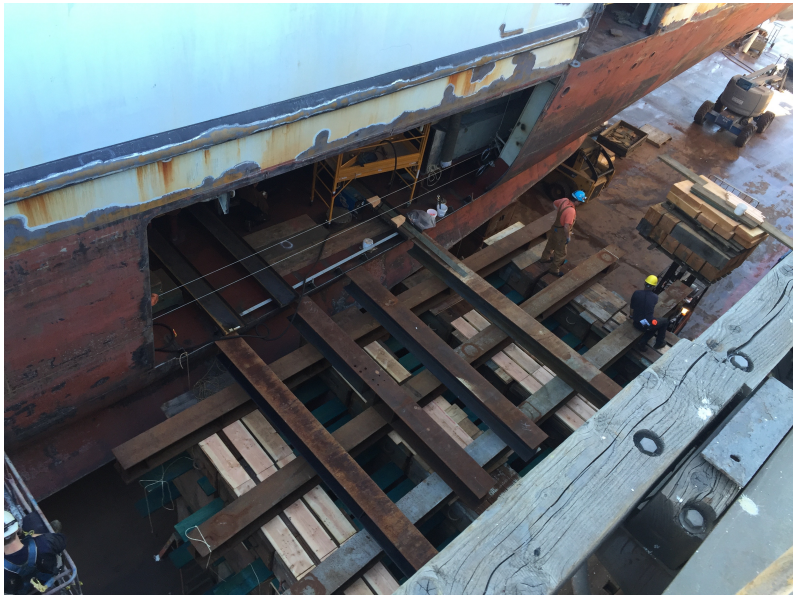
- ✓ Contract awarded 24 August 2015
- ✓ Thompson finishes science 24 May 2016
- ✓ Entered shipyard 16 June
- ✓ First seismic compressor removed 28 June
- ✓ Drydocked 15 August
- ✓ First generator set removed 19 August
- ✓ First new generator set onboard 22 September
- ✓ Undocked 25 October
- Shipyard complete Oct 2017
- Shakedown cruise late Oct/early Nov 2017
- Return to science late 2017

Major Issues

- Propulsion Motors
- Z-drive Lower Gear Box
- Steel repairs
- Replaced more piping than anticipated
- Couldn’t re-use old cabling
- Extensive crane repairs
- Changes even more expensive than anticipated
- Late start of shipyard’s design sub-contractor
- Slow ramp up of shipyard project team

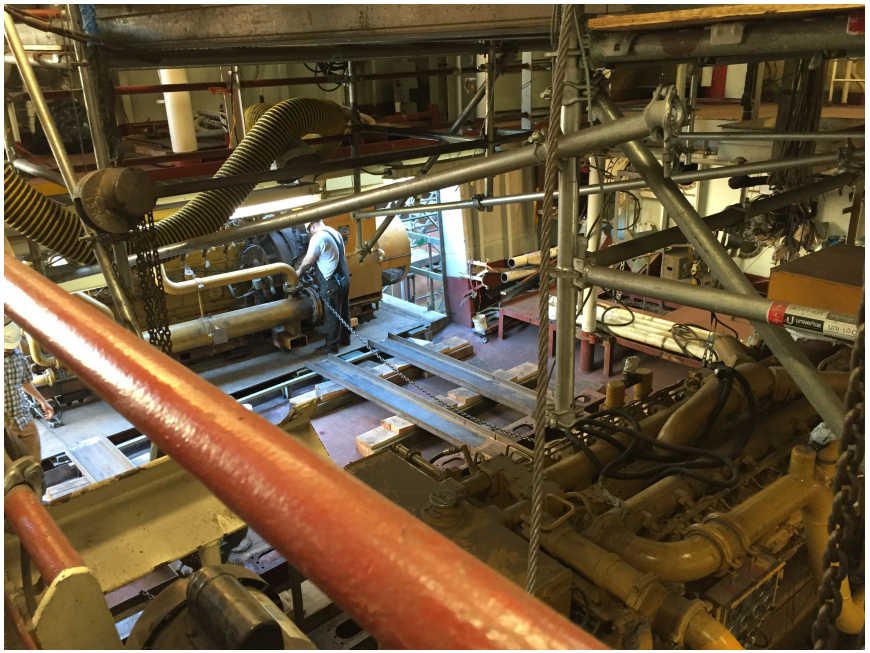
Shortly after arrival at Vigor

1st seismic compressor coming out

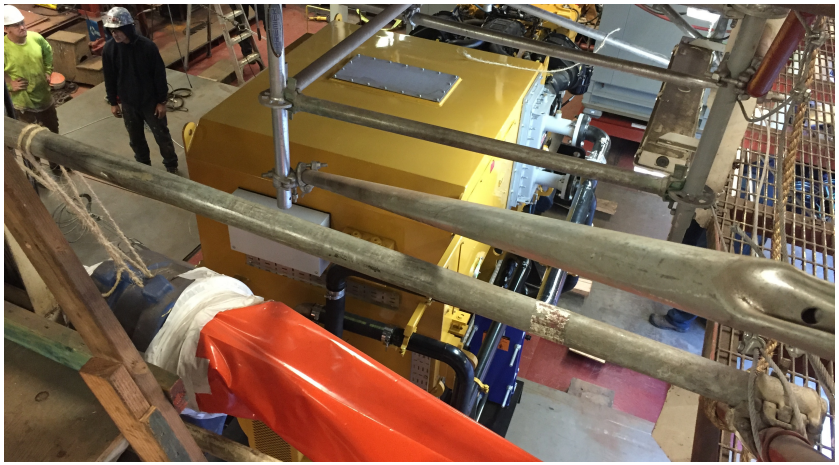


Ready to remove the generator sets

1st generator set out



1st generator set comes off



First new generator set being moved into place

1st new generator set comes onboard

EM-302 being replaced

Bridge gutted & prepped for new consoles

Blasting the aft main deck

Ballast tank before blast & paint

Bad old stuff – piping & wires

Badly corroded vent ducting

Computer Lab gutted

Senior Scientist S/R

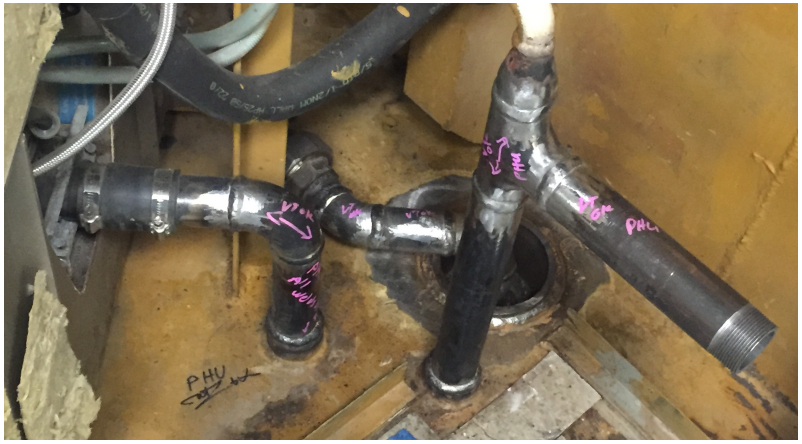
Heavily corroded 02 Deck

New Main Control Console in place

Old Switchboards & Drives being removed

A-frame refreshed / upgraded

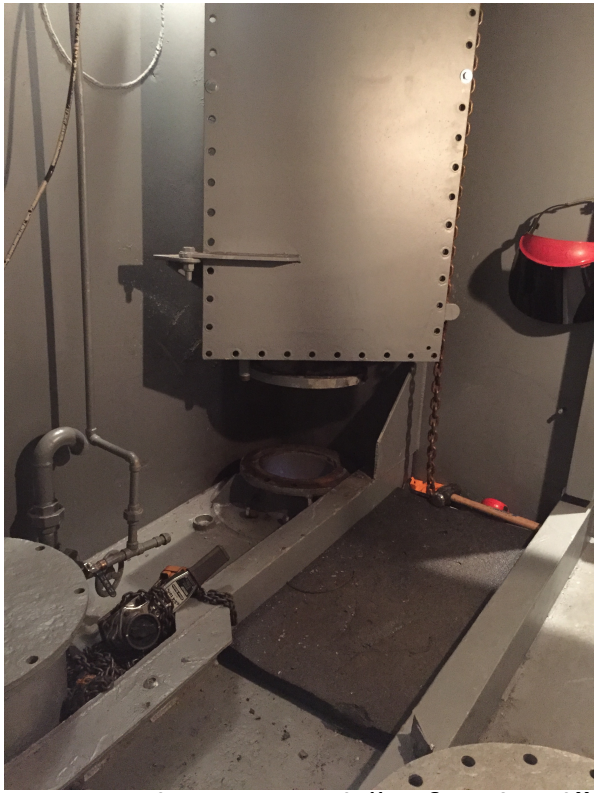
New switchboards in place



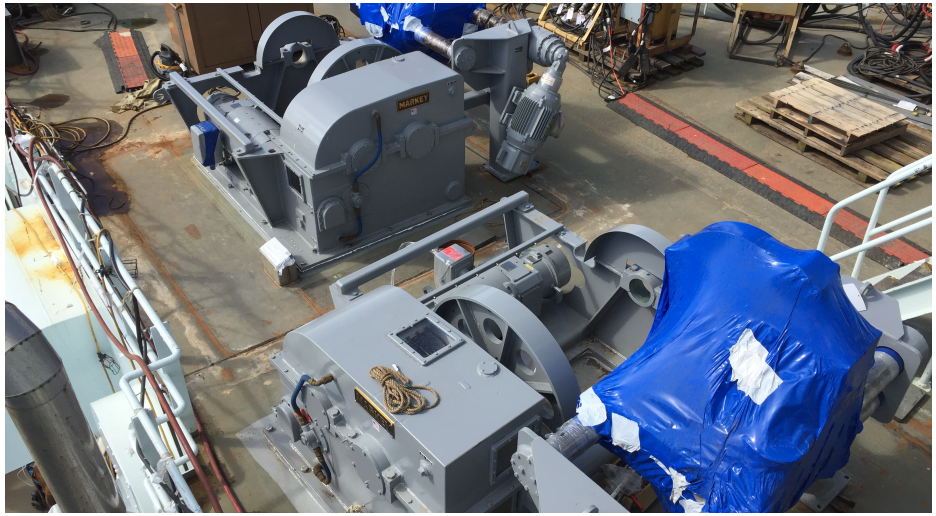
New drainage piping for head modules

New firemain piping

New instrument well

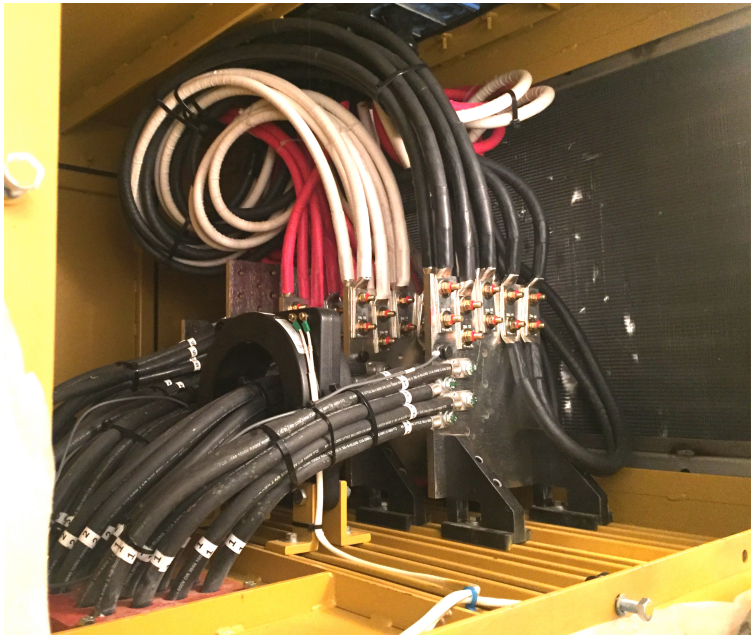


Transducer Void “refreshed”

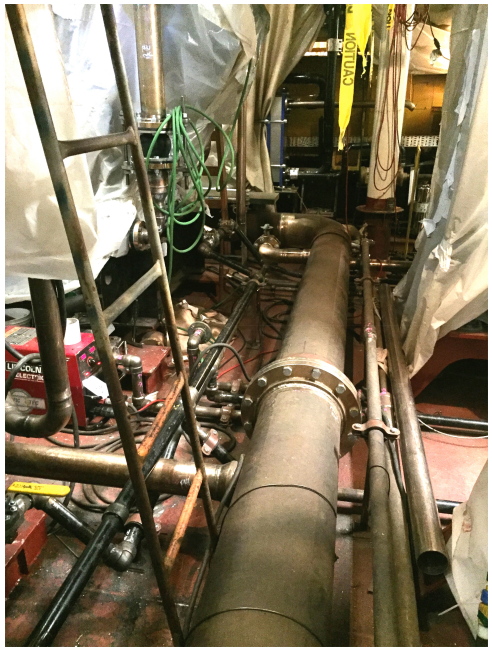


Refurbished hydro-winches in place

Cables prepared for feeding into switchboards



Cable connections in new generator



New piping systems

Looking tired & worn out

Starting to look refreshed

Back alongside – with a lot more work to be done