



**MOL** MOL Techno-Trade Asia Pte. Ltd.

5 Shenton Way, #17-01 UIC Building, Singapore 068808

# Our Services

1. *Technical Services*

2. *Ships Stores / Ships parts / Navigation Equipment / GMDSS*

3. *Lubricating oils*



# Technical Services

## *General Services*

- *Valve Remote Control System*
  - *Level Gauge System for “Cargo, Ballast & Draft Gauge*
  - *Air Purge Level Gauge System for “Cargo, Ballast & Draft Gauge.*
  - *Pressure Sensor Level Gauge System for “ Ballast Tanks”*
  - *Pressure, Temperature & Pneumatic Transmitter*
  - *Digital Indicating, Temperature, Programmable Indicating, Digital Indicating & Pneumatic Controller ( YOKOGAWA )*
  - *Remote Pressure Indication System*
  - *FO Viscosity Control System*
  - *Main Engine & Diesel Generator*
  - *Elevator Inspection, Repair & Servicing*
- And MORE and MORE!*



# Technical Services

## *Safety Equipment Service*

- *Annual Service for Inflatable Lifejacket and Immersion Suits*
- *Annual Service for SCBA & Portable Fire Extinguishers*
- *Hydro Test for SCBA Fire Extinguishers*
- *Medical Oxygen Resuscitator*
- *Air Quality Test for BA Compressor*
- *Foam Sample Analysis and Calibration on Pressure & Temperature Gauges*
- *Drinking Water Analysis*
- *Fixed Gas Detector / Portable Gas Detector*



# Technical Services

## *Other Arrangement Service*

- *Flowmeter Calibration*
- *Cow Machine Overhauling*
- *Assist Superintendent in Dry Docking Arrangement*
- *Introduce Superintendent for Dry Docking*
- *Spare Parts Supplies Arrangement as per Case-By-Case Basis*
- *Generator Inspection & Overhaul*
- *440v Switch Board Maintenance on inspection, testing, repair & trouble shooting*
- *Car Lifter Inspection & Maintenance*



# Electric Valve Checking, Troubleshooting and Overhauling



# F.O. Viscosity Control System Overhaul Maintenance



# Dk. Lifter Car Inspection & Maintenance



# E/R Temp. / Press. Controller System Maintenance & Troubleshooting



# Hydraulic Pump Maintenance

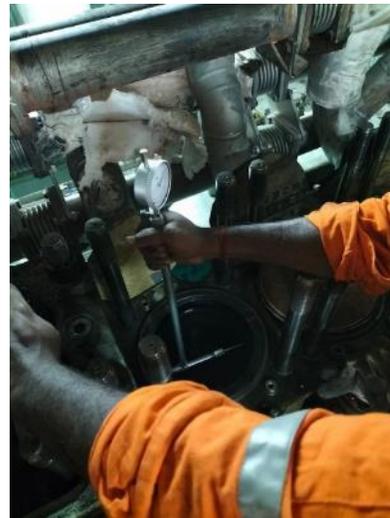


# Diesel Generator Overhaul

- ▶ Unit No 1 to 8 Cyl heads / Pistons/ Liners remove, overhaul, and refitted.

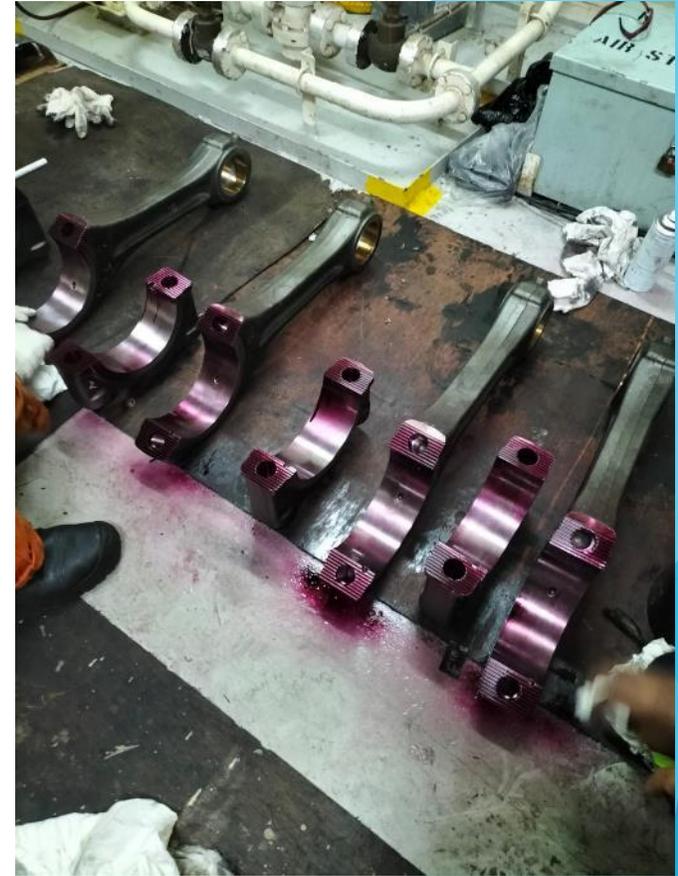


- ▶ Liners Calibration



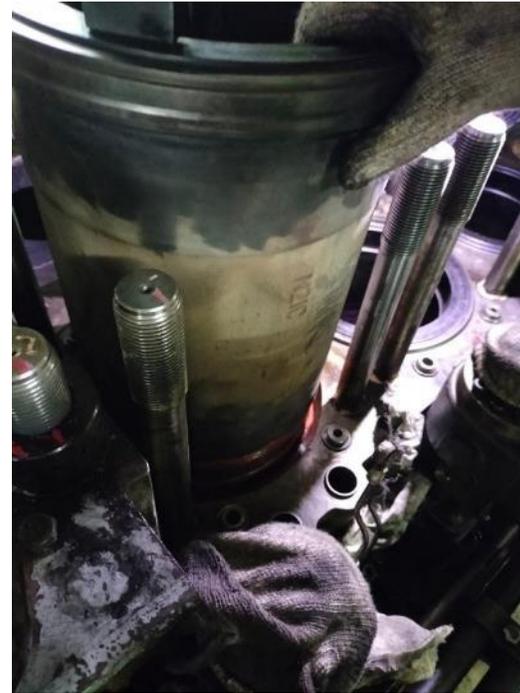
# Diesel Generator Overhaul

- ▶ Big end bearing dye check & box back for calibration.



# Diesel Generator Overhaul

- ▶ Liners installation unit 1,2,3 & 4

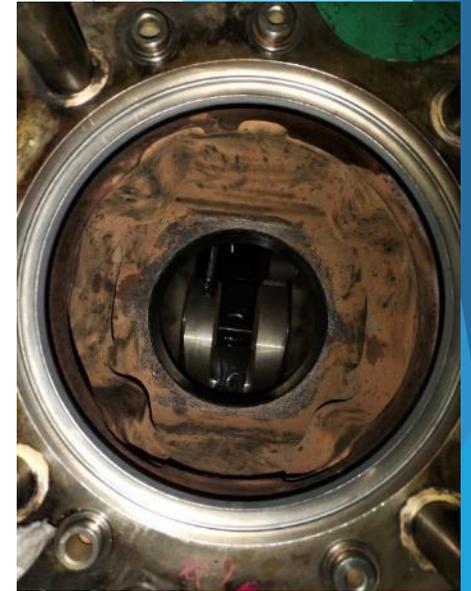


# Diesel Generator Overhaul

- ▶ Pistons dye check



- ▶ Clean Liners sitting area



# Diesel Generator Overhaul

- ▶ Installation of Piston & Cylinder



# Diesel Generator Overhaul

- ▶ Installation of Con Rods, Fuel High Pressure Pipes Testing, Piston installation



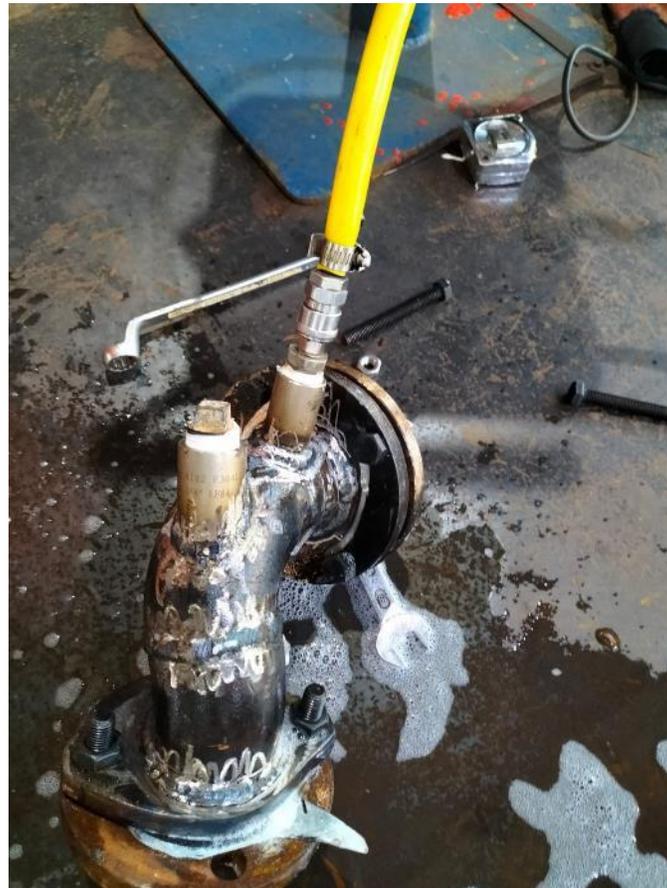
# Diesel Generator Overhaul

- ▶ 4 Cylinder Head overhauling & pressure test at workshop



# Diesel Generator Overhaul

- ▶ Fabricate a new pipe & repair the crack pipe from AE Cooling water pipe



# Diesel Generator Overhaul

- ▶ Generator Engine Test Run for 1 Hour with load 400Kw (Ship Load)



# Draft Gauge Inspection For Float

- ▶ Checking of WBT & Draft Gauge Level Reading.



# Draft Gauge Inspection For Float

- ▶ Checking on the Draft Gauge Condition after Bottom Cover remove by Yard.



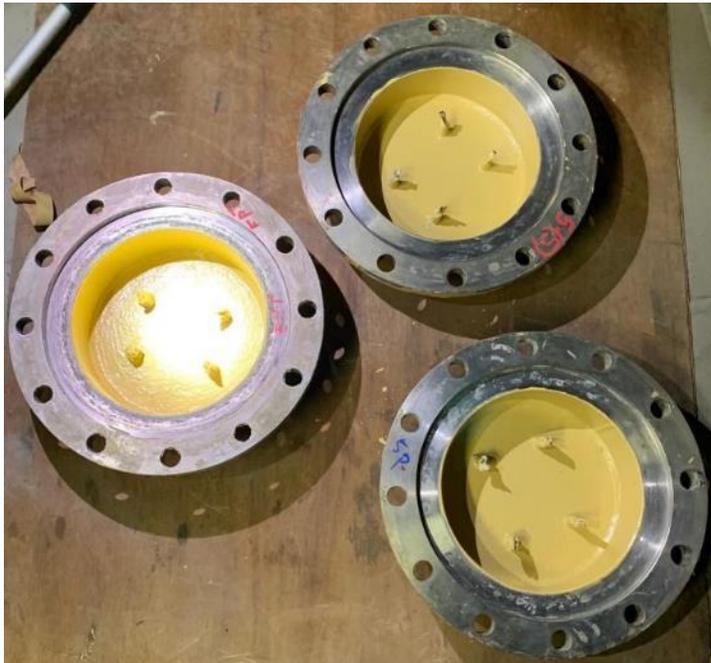
# Draft Gauge Inspection For Float

- ▶ Checking on the Gasket & Anode Condition.



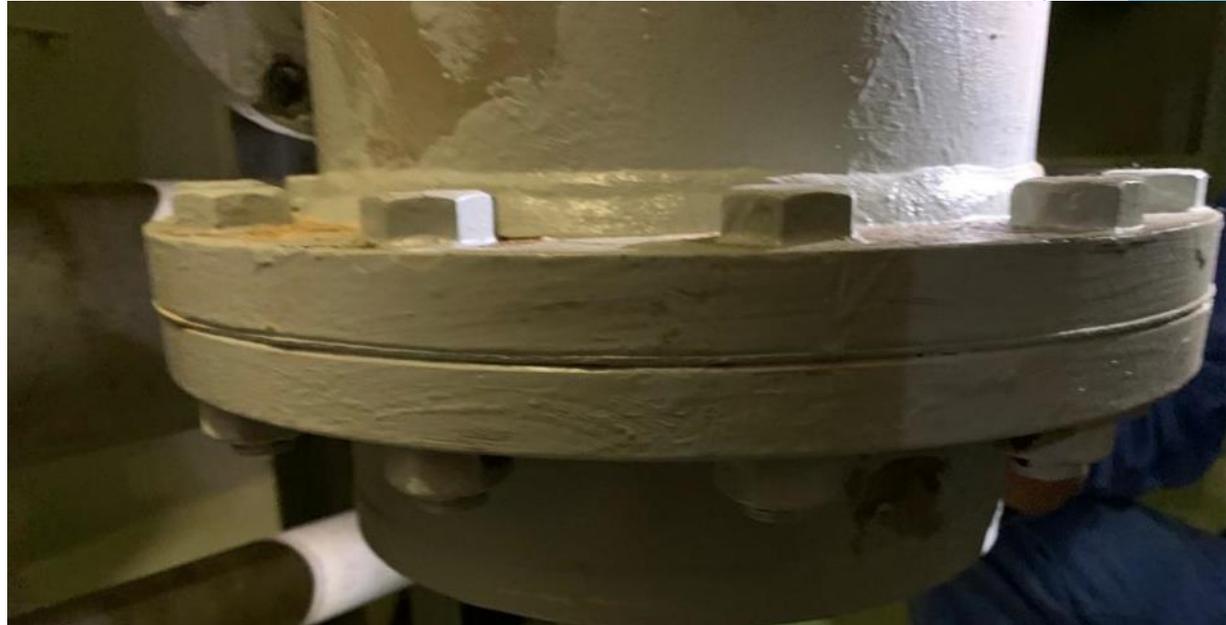
# Draft Gauge Inspection For Float

- ▶ Inspection the Bottom Cover after clean by Yard and renew Anode & witness by C/O.



# Draft Gauge Inspection For Float

- ▶ Box-up the Metal Plate & Bottom Cover



# Draft Gauge Inspection For Float

- ▶ Conduct Level Water Test for Draft Gauge & Check Float Movement

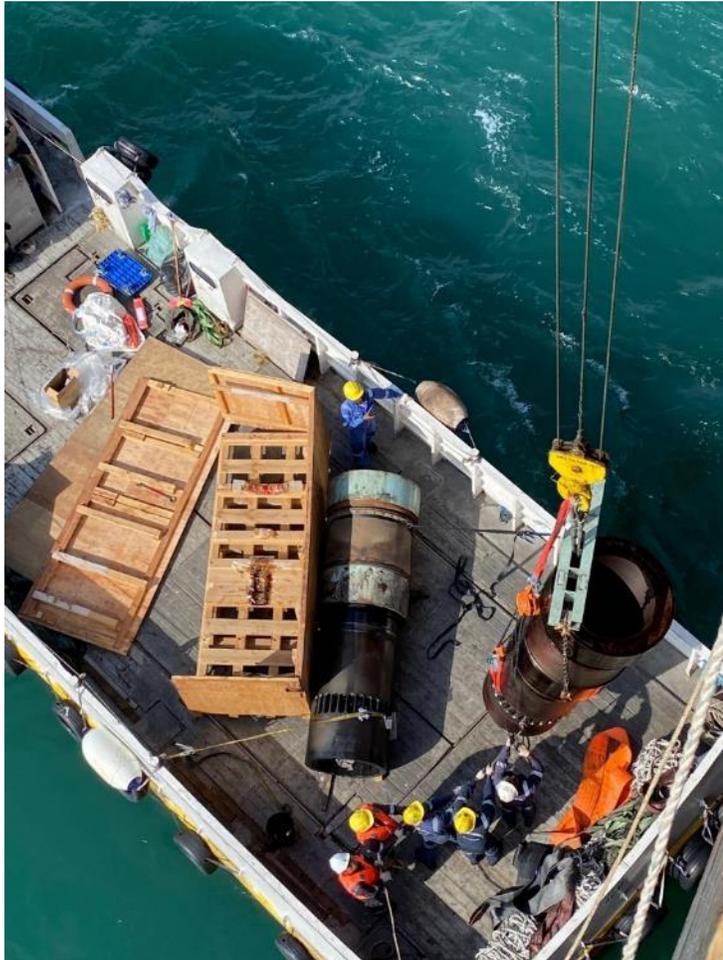


# Draft Gauge Inspection For Float

- ▶ Confirm Actual Draft & Indicator Draft Level



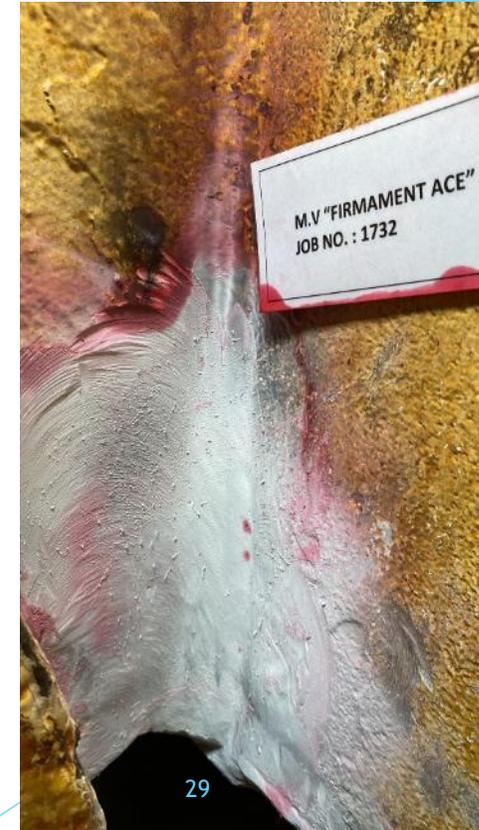
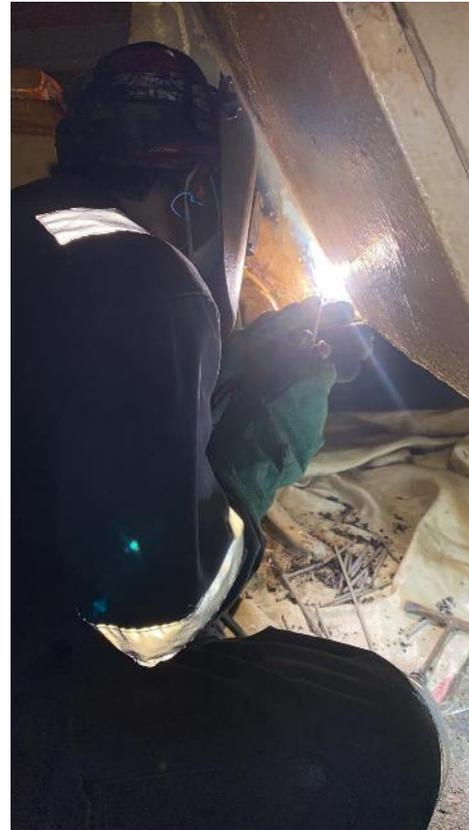
# Assistance M/E Cylinder Liner Lifting at Anchorage



# Replacement of Inmarsat Antenna at Anchorage



# Stern Ramp Crack Hot Work Repair at Terminal Berth



# Technical Services

- ✓ *We have good service network and specialized team*
- ✓ *Support urgent job/enquirers as discovered during Vessel inspection/dry docking*
- ✓ *Ensure all jobs are well follow up at the end of works.*

# Ships Stores / Ships Parts / Navigation equipment / GMDSS

*Wire Rope / Mooring Rope*

*Immersion Suits / EEBD / Fire Linen / Antivirus Filter*

*Automatic Greasing System*

*Air Garbage compactor*

*Automatic fire extinguisher - Mabo*

*GPS / GMDSS (Global Maritime Distress and Safety System)*



*Keep some small parts in the office*



# Lubricating Oil

## *Contract Maker*

- *Worldwide: ExxonMobil, BP, Shell, Chevron, TOTAL, Lenol*
- *Japanese Maker: ENEOS, Idemitsu, Cosmo*

## *Contract vessel: More than 250 vessels*

- ✔ *Offer both Contract and Spot basis*
- ✔ *Original kit for scavenging drain oil*