<u>Upgrading from Obsolete Regulateurs Europa 1162A to Modern 1115-4G Governor</u>

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- Vessel has 2 very old (18 years old) Regulateurs Europa Governors on 2 Deutz 628 engines
- Model: 1162A-4G-8R
- One governor was missing a stepper motor and there were issues with control card
- More economical in long term maintenance cost to upgrade than to repair with certain parts no longer manufactured and cannot be repaired

Solution

- The current 1115 model is the modern upgrade and direct replacement to 1162A Governor
- Same exterior and operating methods and upgraded modern control card with latest software version
- Old governor can be brought in for this upgrade
- Engineering of control panel and refurbishment of old 1162 governor done in service centre

Engineering Work

- Site Survey and Measurements Taken
- Old Actuator Received and Upgraded in Workshop
- Control Panel Designed with Switches and Tags and Wired Accordingly
- Regulateurs Europa Control Card Mounted in Panel
- Testing of Controller and Actuator done in Workshop before Delivery
- Installation and Commissioning Done on Site

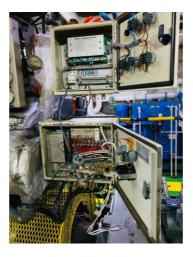
Results

- Controller and Actuator working to customer requirements
- Long lasting system
- Lower cost of maintenance

Price - Upon Request



Control Panel Commissioned



Installation and Wiring of New Control Panel



New 1115 Governor Control Card Mounted in Control Panel



Customised Control Panel with Operative Switches and Tags



New Regulateurs Europa 1115 Model Installed on Engine