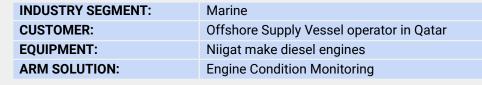


Neptunus' Engine Condition Monitoring System helped eliminate 1 complete TOH and savings of 73% on MOH spares with real-time monitoring



CHALLENGE

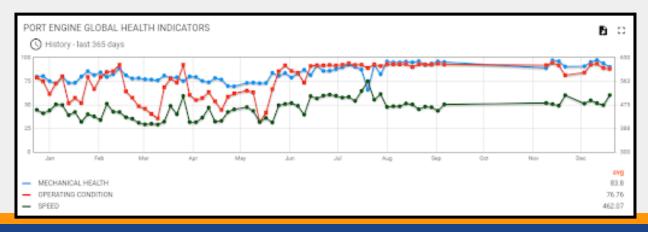
- The customer wanted to assess the engine condition to eliminate unplanned downtime
- They wanted to save on the maintenance cost that occurs on a TOH at 12,000 running hours as per OEM

SOLUTION

- Neptunus proposed the customer for continuous engine monitoring so that they have real-time engine condition data and eliminate unplanned downtime
- The customer's onboard team, as well as their office team, can view the engine condition on a real-time basis and have full control over their engines
- With the real-time engine condition monitoring, the customer has to do only the scope highlighted by the system (Cylinder-specific Injector, bearing, fuel injection pump) thus eliminating an expensive overhaul and still retain the reliability of the engine
- Now, we have completed over 12 months and 6,000 running hours of continuous engine monitoring and have created a
 customized real-time dashboard as per customers need

BENEFITS

- With over 6,000 running hours of engine monitoring, the customer was able to eliminate one complete Top Overhaul (TOH) and saved \$60,000 on spares and services
- For the major overhaul spares, as per the real-time monitoring, the cost is coming to just \$1,48,000 as against \$5,47,000 for a major overhaul asper OEM's guidelines, which results in a savings of whooping 73%
- They were able to save 15 days downtime which would generate them a revenue and increase their vessel uptime
- They were able to keep a real-time track of their engine's health by having access to it right at their office PC



Neptunus has 25+ years of experience & expertise in reliability engineering solutions for engines, generators & other rotating equipment

Our solutions include Engine. Lifecycle Management, Asset Reliability Management & Turnkey EPC & MEP Services. We serve global customers in marine, oil & gas, industrial and data centers.
<u>www.neptunus-power.com</u> I info@neptunus-power.com I +91 95944 10707