NEPTUNUS
The Machine Reliability Expert

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

INDUSTRY SEGMENT:	Marine
CUSTOMER:	Offshore Supply Vessel operator in Qatar
EQUIPMENT:	Niigat make diesel engines
ARM SOLUTION:	Engine Condition 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**