

TRICO MARINE SERVICES TO MONITOR 8 NEW OFF-SHORE SUPPLY VESSELS

MARITIME



Trico Marine Services, Inc. chose a combined Roving Dynamics solution to monitor business critical tunnel thrusters and gears on 8 new off-shore supply vessels for subsea operations.

Trico Marine Services Inc., a leading US provider of marine support vessels to the offshore oil and gas industry, is to install advanced online condition monitoring solutions from Roving Dynamics on its 8 new multi-purpose vessels (MPVs).

The new 2,900 dwt supply vessels will be dedicated to subsea installations for e.g. floating production, storage and offloading vessels (FPSOs).

OPENpredictor™ will monitor the condition of 4 tunnel thrusters plus the main reduction gear on all 8 vessels with only one online system per vessel.

According to Ray J. Hoover, Trico's Global Director of Technical Services,

OPENpredictor™ was chosen not only due to its ability to automatically detect machinery faults at an early stage, but especially because its early warnings are accompanied by prediction of lead time to inspection. Early warnings about problems will prevent lost revenue from off-hire and increase availability.

Warnings to ensure availability & meet customer requirements

"We want to get advance warnings about developing problems in our most business critical, expensive machinery to ensure that we can meet our customers' requirements, and to avoid losing charter hire due to unscheduled repair," says Ray Hoover. "In the past we have experienced problems with tunnel thrusters. The thrusters and the main reduction gear are crucial for the dynamic positioning of our offshore supply vessel during customers' subsea operations e.g. when lowering down equipment with

a crane. In view of the very long lead times on spare parts, a thruster or gear problem can easily put a vessel out of operation for several months. Beside the immense repair costs and lost hire of several million dollars, we also risk losing credibility with our customers."

Higher revenue with less dry docking & off-hire

Normally, an off-shore supply vessel goes to dry dock 2-3 times over a 5 year period for planned overhauls. Online condition monitoring enables Trico to pursue a more proactive, condition based maintenance strategy, and achieve the goal of having the vessels available to clients up to 120 consecutive days. If possible, they would like to reduce dry docking to the class notation - only once every 5 year - thus increasing vessel availability and revenue significantly.

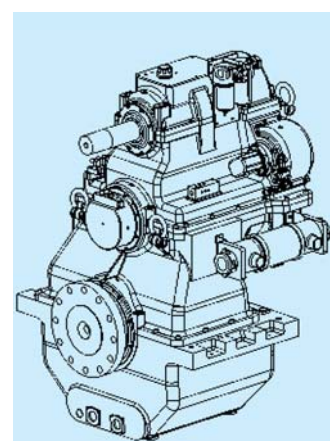
"Condition monitoring and predictive maintenance increase

Trico Sabre is one of Trico Marine Services' eight new multi-purpose vessels, where OPENpredictor™ will monitor 4 Kawasaki tunnel thrusters (2 x 590 KW on the stern, 2 x 800 KW on the bow) and the Mekanorg main reduction gear.

our comfort level as well as vessel reliability and availability. With prior knowledge about deteriorating components we can plan repairs in between charters and reduce the number of off-hire days. And we avoid losing revenue and enhance the possibility of reaching our target of 90-95% utilisation," Ray Hoover concludes.

Previously, Roving Dynamics has supplied an OPENpredictor™ solution for Azimuth thrusters, which has been operating on a Scandlines ferry for more than a year.

Read more: www.tricomarine.com



The main reduction gear (above) and tunnel thrusters are crucial for the dynamic positioning of Trico's offshore supply vessels during customers' subsea operations.