

Oil switch helps increase reliability and savings for firefighting supply vessel

Great Offshore | Hatlapa compressors



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Engineers aboard Great Offshore's firefighting supply vessel, Malaviya 25, improved the performance and lowered operating costs of its two Hatlapa compressors by switching to Mobil Rarus™ 827 air compressor lubricant.

Situation

Great Offshore was looking for ways to improve the reliability and equipment operation aboard its firefighting vessel, Malaviya 25. Like all operators, it was also looking for ways to reduce running costs and reduce unscheduled downtime. The company's engineers were especially interested in improving the vessel's compressor performance through reduced lubricant-related deposits, especially in discharge lines.

Recommendation

ExxonMobil recommended that the engineering team aboard Malaviya 25 lubricate its two Hatlapa compressors with Mobil Rarus™ 827, a synthetic ester-based oil designed to protect against deposit buildup and wear.

Impact

By changing from a competitor's synthetic oil to Mobil Rarus 827 lubricant, Great Offshore saw oil life extended from 3,500 hours to 6,000 hours. The switch also ensured the reliability of the compressors and cut labour costs associated with

maintenance by more than 40 per cent. After 8,000 hours of operation, the reduction in oil consumption and increase in drain intervals was estimated to have given an approximate savings of 29 per cent from the original cost.

Additionally, Mobil Rarus 827 lubricant resulted in cleaner compressors overall. Mobil Rarus 827 helped to reduce wear of components including rings, cylinders, bearings and gears. An overall improvement in valve performance was achieved, and there were reduced deposits in discharge lines. Mobil Rarus 827 helped enhance overall equipment reliability and improve compressor performance.

**Cost savings of
29 per cent** delivered
after switching to
Mobil Rarus 827 oil
