

Mobil SHC Rarus 68 helped SOXAL save US\$6,766 annually*



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Kaeser DS 170 Rotary Screw Compressor | Singapore Oxygen Air Liquide Pte Ltd (SOXAL) | Singapore

Situation

In 2012, ExxonMobil proposed the next generation air compressor oil, **Mobil SHC™ Rarus 68** as a candidate trial oil in a Kaeser DS 170 rotary screw compressor for a period of 2 years. The purpose of the trial was to assess the performance of **Mobil Rarus SHC 68** against the current product in use, for productivity improvement and extended oil drain interval. Previously, the compressor was using ISO VG68 synthetic oil and the Oil Drain Interval (ODI) was 6,000 hours. The system was flushed to minimize commingling between the current oil and test oil. As part of the **Mobil Planned Engineering Service (PES)** program, the used oil samples are collected on regular intervals and sent to the **Mobil SignumSM** laboratory for analysis.

Recommendation

Mobil SHC Rarus 68 was recommended as a synthetic air compressor oil to increase productivity, improve equipment reliability and provide the potential to deliver up to 3 times the oil drain interval

of a leading synthetic compressor lubricant. Its outstanding oxidation stability, varnish and sludge control, resistance to rusting and corrosion and excellent antiwear properties help to extend compressor oil life.

Benefit

Mobil Signum Used Oil Analysis results have shown that **Mobil SHC Rarus 68** remained in good condition with stable viscosity (@40°C), low oxidation level, low TAN and low metal wear after operating for 2 years. The ODI of 14,000 hours has been extended up to 2.5 times the original ODI of 6,000 hours. The company reports **Mobil SHC Rarus 68** and **Mobil PES** program have improved productivity, increased equipment reliability and helped SOXAL to save US\$6,766 annually.

Oil drain interval extended by up to **2.5x**

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* This proof of performance is based on the experience of a single customer. Actual results can vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used.

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