

# Mobil SHC Rarus 46 helps petro-chemical plant triple oil drain intervals\*



Energy lives here™

## Quincy Air Compressor- Model QSI 1500 | Petroleum Blend Plant | Texas, United States

### Situation

A Texas-based petro-chemical manufacturer operates two Quincy air compressors to help power operations. These units are lubricated with a competitive synthetic compressor oil with an average oil drain interval of 8,000 hours (12 months). In an effort to optimize production efficiency, the company approached ExxonMobil engineers to provide a lubricant solution capable of further extending oil drain intervals while increasing compressor reliability.

### Recommendation

After evaluating the application, ExxonMobil engineers recommended transitioning to **Mobil SHC™ Rarus 46** next generation synthetic compressor lubricant. Formulated with synthetic hydrocarbon fluids and a high technology additive system, **Mobil SHC Rarus 46** is designed to provide exceptional resistance to oxidation and thermal degradation, improving equipment protection and prolonging oil life. In addition, the engineers recommended periodic filter changes and the use

of **Signum<sup>SM</sup> Oil Analysis** to monitor equipment and oil condition, and to help establish the optimum oil drain interval.

### Benefit

Since transitioning to **Mobil SHC Rarus 46** next generation synthetic compressor lubricant, the company has extended oil drain intervals beyond 24,000 hours (36 months), with the results from routine **Signum Oil Analysis** showing that the lubricant is suitable for continued use. In addition, these extended drain intervals have been able to help reduce the facility's environmental footprint through reduced waste oil disposal, and enhanced employee safety by reducing interaction with the compressor. Overall, these extended drain intervals, combined with the outstanding component protection provided by **Mobil SHC Rarus 46** have delivered a company-estimated three year savings of \$5,780 in related maintenance costs.

Up to  
**US\$ 5,780**  
savings over three years period

#### Industrial Lubricants



**Advancing Productivity™**

#### Safety

Reduced maintenance due to equipment reliability and long drain intervals helps you mitigate potential employee safety risks arising from direct contact with equipment.

#### Environmental Care

Long services intervals help reduce the generation of used oil and extend component life, which reduces equipment disposal and related maintenance waste\*\*.

#### Productivity

Lower inventory levels (reduced working capital) due to longer oil drain intervals – paired with better-protected equipment – can help you boost production reliability and efficiency.

\*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.

\*\* Visit [mobilindustrial.com](http://mobilindustrial.com) to learn how certain Mobil-branded lubricants may provide benefits to help reduce environmental impact. Actual benefits will depend upon product selected, operating conditions and applications.

© 2015 Exxon Mobil Corporation. All rights reserved.  
All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its affiliates unless otherwise noted.