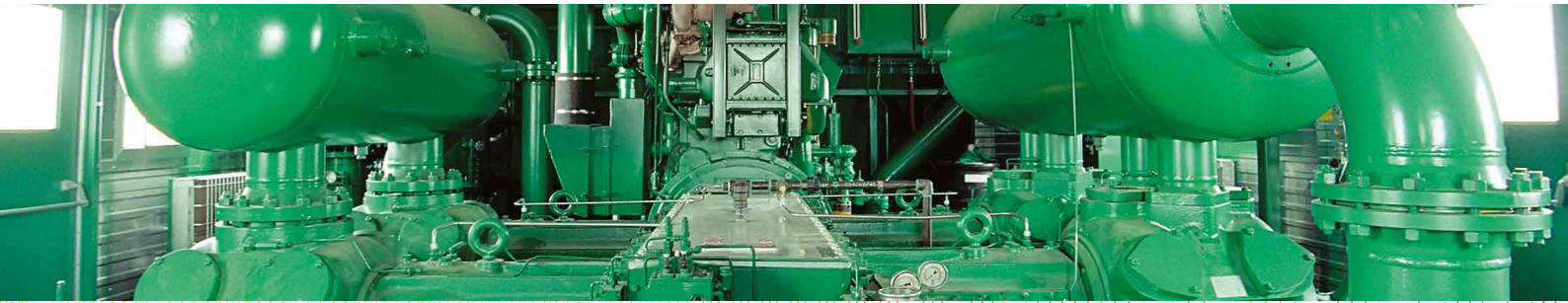


Mobil SHC Gargoyle 80 POE helps improve productivity*



Energy lives here™

CO2 compressor | Slaughterhouse | Abera, France

Situation

Abera is a slaughterhouse in France that is specialized in porkmeat processing. Competitive oil was used in their 4 Mycom C6HK CO2 compressors. The customer experienced several failures in the compressors. In hot gas application, increasing temperature and pressure lead to the most challenging operating conditions. As a corrective action of failures, OEM recommended to decrease the inspection period from 6,000 hours to 4,500 hours leading to additional maintenance and operating costs to Abera.

Recommendation

ExxonMobil engineers recommended **Mobil SHC™ Gargoyle 80 POE** to extend lubrication and inspection intervals. **Mobil SHC Gargoyle 80 POE** is a high performance refrigeration oil designed specifically for the lubrication of refrigeration compressors using carbon dioxide (CO2, R-744) refrigerant for miscible applications. It is formulated using a Polyol Ester technology (POE) to provide better lubricity, wear protection, chemical and thermal stability.

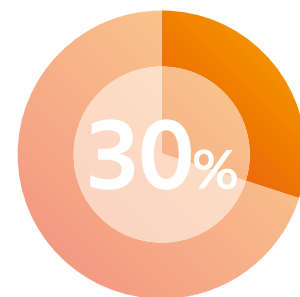
Impact

According to Mr. Samuel Pichon, Abera Technical Lead, use of a thin oil film has helped to decrease oil temperature in compressors. The customer observed an appropriate film thickness on the compressor parts, even at high operating pressures and temperatures, while with competitive oil they used to look dry. **Mobil SHC Gargoyle 80 POE** has helped to achieve extended oil drain intervals, as well as improved and smoother regulation of compressors.

Benefit

By converting to **Mobil SHC Gargoyle 80 POE** the inspection intervals have increased by 30% when compared against previous oil. Customer also experienced less excessive wear of all compressor parts. Power consumption was reduced by up to 2% compared against similar compressor load.

Inspection intervals extended by



Industrial Lubricants



Advancing Productivity™

Safety

Reduction in planned maintenance and longer oil drain intervals have helped reduce employee interaction with equipment and diminish associated injury risks.

Environmental Care**

Extended oil drain interval has helped decrease used oil generated for disposal.

Productivity

Decrease in compressor failures and reduction of compressor maintenance have generated annual savings of approximately €10,600.

*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 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.

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