

OIL REFINERY REDUCE PRODUCTION COSTS WITH SHELL MORLINA® S3 BA 460

TOTAL ESTIMATED ANNUAL CUSTOMER

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SHELL
LUBRICANT SOLUTIONS



COMPANY: Oil Refinery

LOCATION: Convent, Louisiana, USA

APPLICATION: Dresser Rand Compressor

KEY EDGE: Shell Morlina® S3 BA 460

PREVENTION OF

3 days

PRODUCTION OUTAGE

Shell
Morlina®

CHALLENGE

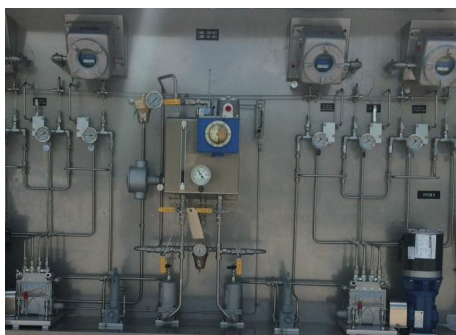
An Oil Refinery was experiencing lubricant flow issues in their Dresser Rand Compressor Cylinder lubrication system as a result of deposits throughout the oil distribution route. The lubricant flow issue was resulting in compressor gas end failures and unscheduled facility shutdown.

SOLUTION

Conducting a review of the application and performing deposit analysis, Shell's Lubricant Technical Advisor identified the cause was a result of contamination in the system along with degradation of the current oil. Shell Morlina® S3 BA 460 with its strong oxidation stability at higher temperatures was recommended along with removing the contamination in the system.

OUTCOME

Transitioning to Shell Morlina® S3 BA 460 and by removing system contamination, the Oil Refinery has noticed decreased deposits, improved lubricant flow and a reduction in compressor system failures; resulting in eliminating at least one failure a year that caused 3 days of facility shutdown.



VALUE

Through the reduction in system deposits and improved lubricant flow, the Oil Refinery has benefited from lower production losses and reduced unscheduled maintenance costs. The company **has reported a total annual savings of US\$850,000.**

The savings indicated are specific to the calculation date and mentioned site. These calculations may vary from site to site and from time to time, depending on, for example, the application, the operating conditions, the current products being used, the condition of the equipment and the maintenance practices.