

case study

Bearing temperature stabilization and shutdown avoidance for major industrial gas manufacturer in Germany

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Problem

A major industrial gas manufacturer encountered significant bearing temperature spikes in their centrifugal compressor, persisting for 1.5 years despite routine filtration efforts. The temperature threshold breaches posed a threat of shutdown.

Solution

DECON™ was added to the system at a treat rate of 5% to aid in reducing the bearing temperatures by dissolving the deposits.

Results

Following the introduction of DECON to the system, bearing temperatures swiftly stabilized to normal levels within a few days. The intervention successfully prevented an unplanned shutdown, and after 3 months, the bearing temperatures have consistently maintained stability. The plant now operates with increased efficiency and reliability compared to the preceding years.

Total Saved

\$125K

Client:	Major Industrial Gas Manufacturer
Country:	Germany
Application:	Centrifugal Compressor
Cost savings:	\$125,000
Oil savings:	1500 liters
CO2e kg saved:	11,341 CO2e kg over 5 years
Solution:	DECON

