

case study

Extension of oil life and improved reliability for a gas turbine in Turkey

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Problem

A leading gas turbine manufacturer observed the depletion of antioxidant levels below the minimum threshold of 25%, coupled with elevated MPC levels. Given operational constraints, there was an imperative to address this issue without resorting to an unplanned outage or dedicating time for an oil change in the turbine.

Solution

Introducing **Boost AO™** into the system at a 3% treat rate aimed to enhance the lubricant's lifespan and augment antioxidant levels for improved performance.

Results

Following the introduction of Boost AO, an immediate elevation in RPVOT and RULER values was observed. Simultaneously, MPC levels exhibited a decline and have consistently maintained stability below 10 for the past 1.5 years. This prolonged oil durability has enabled the plant to circumvent a costly unplanned shutdown and associated maintenance expenses for an oil change.

Total Saved

\$76K

Client: Gas Turbine Manufacturer

Country: Turkey

Application: Gas Turbine

Cost savings: \$76,000 over 5 years

Oil savings: 1,500 liters

CO2e kg saved: 15,821 CO2e kg over 5 years

Solution: Boost AO

