

MOBILSERV|RIG AND DISTRIBUTOR PARTNER FOR TURBINES SMOOTH CONVERSION TO SHC 918EE

ENERGY PLANT CONVERTS TO HIGHER EFFICIENCY TURBINE LUBRICATION

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Case Study

SYNOPSIS

An energy plant was looking to move to Mobil's SHC 918 EE product, which helps increase turbine bearing efficiency by up to 15% and is the first lubricant to meet GE's rigorous efficient turbine oil specification.

The distributor brought in the Mobil Serv | RIG team to help with an upcoming cleaning and to execute the lubricant changeover. The turnaround and conversion were completed on-time and on-budget and the final fill exceeded GE's cleanliness level requirements.

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Draining the supply headers

INTRODUCTION

An energy provider was looking to move to Exxon-Mobil's new energy efficient turbine oil - SHC 918 EE, which was developed in partnership with GE and is the first lubricant to meet their stringent energy efficiency requirement (GEK 121603).

With an upcoming planned maintenance coming up soon, the local distributor reached out to the Mobil Serv | RIG team to execute the cleaning and conversion of the GE Frame 7FA turbines.

SOLUTION

RIG, Mobil Serv, the energy provider and the local distributor met at each of the two sites to review the units current status. Both required varnish mitigation and cleaning services prior to conversion.

RIG developed and executed the varnish mitigations utilizing Mobil System Cleaner, followed by rinses of the systems with Mobiltherm 603.



Sediment cleaned from the bottom of the reservoir

RESULTS

The cleaning and conversions were both completed on time and on budget, keeping the project critical path schedule. Both turbines were shown to exceed GE cleanliness level requirements during the final fill of the Mobil SHC 918 EE.

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RIG works across many industrial service disciplines. These include Hydrolazing, steam/air blows, chemical cleaning, varnish mitigation and oil flushing. Contact us for more information:

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