

ENERFLEX

The Single Source



FIRE RESTORATION OF A 1,725 HP RECIPROCATING COMPRESSOR PACKAGE, USA

Retrofit of damaged components places unit back into full-service with minimal downtime.

PROJECT OVERVIEW AND CHALLENGES

A midstream energy company enlisted Enerflex to restore a 1,725 HP gas engine driven Ariel JGT/4 compressor package to full-service after fire damage from a gas leak rendered it inoperable. The majority of destruction occurred in the engine area with extensive damage in the form of a cracked engine block and melted crankcase covers. Additional damage resulting from exposure to the extreme heat included one compressor throw and all the related components, the compressor casing, as well as the scrubber. After a comprehensive review of the damage sustained, which included close consultation with original equipment manufacturers, a plan was provided to the customer to restore the compressor to a “like new” condition.

UNIT LOCATION

Lea County, New Mexico, USA

ENERFLEX SOLUTION

The Enerflex solution included the replacement of major components including the gas engine, wear parts for the 3rd stage cylinder, and new compressor bearings. The integrity of the compressor frame was accomplished by installing new grout boxes, coupling shims, and a crosshead guide support. Other equipment included 1st and 3rd stage suction and discharge bottles, 3rd stage scrubber valves and instruments, 3rd stage cylinder Kiene valves, a portion of the process piping, cooler panels, and other necessary repairs to bring the unit back into full and safe operation. The unit was fully restored within the project time frame of eight weeks.

CONTACT DETAILS

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