

# REBUILT EXPANDER ROTOR/SUPPORT/EXHAUST ASSEMBLY

*By Kurt Diekroeger*

RMS developed a procedure that would allow for an obsolete, 20 year old expander exhaust casing and bearing support to be overhauled to provide a drop in spare exhaust casing and rotor, bearing & seal assembly (RBSA) for a unit that was installed in 2000.

The expander design required major disassembly/re-assembly for swap out of the rotor, which is typically the life-limiting item. Our customer owned an idle expander exhaust casing and a bearing support that could be reconditioned/modified and assembled with the current spare parts to be a drop in replacement. Utilization of a drop in replacement rotor, bearing support, and exhaust casing assembly will reduce rotor replacement time by 4 days.

This project involved a number of challenges including modifications of the casing and bearing housings to match the operating unit.



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