

# PART 2: DELAVAL B12/12 COMPRESSOR OVERHAUL

*By Eric Dunlap, Senior Design Engineer / David Owens, Project Manager / Steve Kaulius, Director - Centrifugal Compressor New Business Development*

The RMS team has been hard at work on the overhaul of the Delaval 2B 12/12 Compressor since the last time we visited this project. This tired compressor was ready for a major overhaul after decades of outdoor storage. Before proceeding with the overhaul operation, the RMS team took the time to perform a comprehensive inspection of this compressor to plan for swift and effective execution of the final product.

The compressor arrived in the RMS shop after it was removed from the skid at GJ Oliver. The compressor was then blasted clean to remove decades of weathering. The cleaned compressor was disassembled at the RMS shop where components were inspected and dimensional data was gathered. Non-destructive testing was performed to gauge the health of critical components. The RMS team communicated their recommendations for repairs to the customer who is currently reviewing the RMS inspection report.

The RMS suggested repairs would set this compressor up for another lifetime of reliable service, even after

decades of storage. Repairs range from replaced exhausted components to weld repairs. RMS generated repair proposals which would allow the majority of the compressor components to be refurbished to provide long term reliable service. Other components had reached the end of their useful lives and would not be cost effective to repair. RMS will supply newly manufactured parts for these components. The compressor's bearings were sent out to RMS' bearing supplier for further inspection.

Now armed with inspection data, the RMS engineering team and the customer can work together to plan the next steps of this project.

Armed with this critical knowledge the RMS team can direct future efforts and spending to ensure smooth final project delivery.

We look forward to updating you on the progress of the identified repair operations in our next newsletter!

**For more information:**

Eric Dunlap, Senior Design Engineer  
David Owens, Project Manager  
Steve Kaulius, Director - Centrifugal Compressor  
New Business Development  
Email: [edunlap@rotatingmachinery.com](mailto:edunlap@rotatingmachinery.com)  
[dowens@rotatingmachinery.com](mailto:dowens@rotatingmachinery.com)  
[skaulius@rotatingmachinery.com](mailto:skaulius@rotatingmachinery.com)  
Tel: 484-821-0702

**Headquarters**

2760 Baglyos Cir.  
Bethlehem, PA 18020

**Houston Office**

16676 Northchase Dr., Ste 400  
Houston, TX 77060

**[rotatingmachinery.com](http://rotatingmachinery.com)**

Tel: 484-821-0702

Parts: [rms@rotatingmachinery.com](mailto:rms@rotatingmachinery.com)



Rotating Machinery Services, Inc. | 2760 Baglyos Circle, Bethlehem, PA 18020 | Tel: 484-821-0702