

# Kaydon Ring & Seal Seal Repair Center

## Adding value to dry gas seal overhauls

Not getting the seal life or performance you need from your current compressor seals? Contact Kaydon Ring & Seal's **Seal Repair Center** for an analysis and proposal to improve the reliability and time between overhauls for your compressor seal installations.

Seals repaired by Kaydon Ring & Seal are tested and verified to required

specifications, and guaranteed to perform like new (or better). Only Kaydon Ring & Seal has the engineering knowledge base, manufacturing capability, and testing facility to offer guaranteed seal repair for any make, any type, any model with quick turnaround and at a fraction of the cost of a new seal.

### Experienced in servicing all makes and models

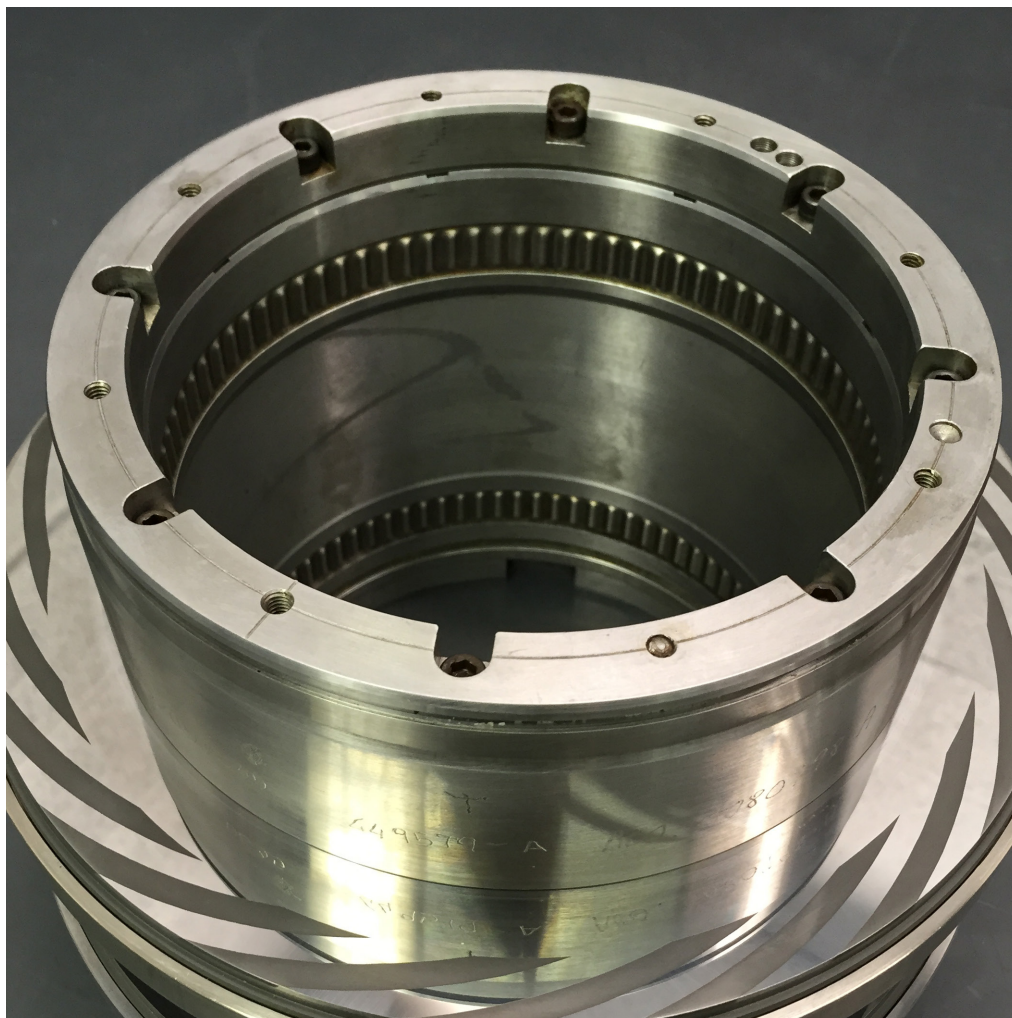
- John Crane Type 28AT and 28XP
- Flowserve Gaspac series
- EagleBurgmann DGS
- Kaydon [K-DGS]

All repairs are backed by a 12 month warranty.

### Detailed evaluation and repair

- Fluorescent and magnetic particle inspection of critical faces and components
- Optical flatness of seal faces confirmed
- Recommendations for improved operation and reliability
- Engineered repair and replacement of all o-rings, springs, and miscellaneous hardware, stationary and rotary faces
- Refurbishment of secondary seal balance diameters
- Reverse engineering and replacement of components and assemblies beyond repair
- Reassemble and test seals at specified speed and differential pressure
- Detailed inspection report documents causes of performance issue and repairs/replacements made
- Witness testing welcome

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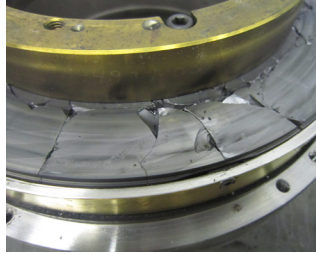
Repaired seal being prepared for re-build and test



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Dry gas seals returned for repair from African methanol plant



Catastrophic failure of seal face after loss of thrust bearing



Heavily contaminated dry gas seal from N. American refinery

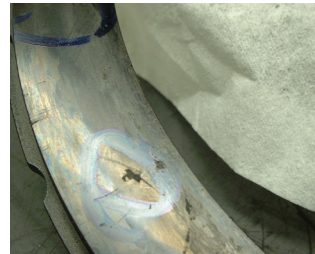
*Kaydon's seal repair center team **has the experience and expertise to help with inspections, repairs, upgrades, and improvements of all dry gas seal makes and seal gas control systems.***



Fractured carbide rotating ring, and decompressed O-ring



Dry gas seal disassembled for inspection



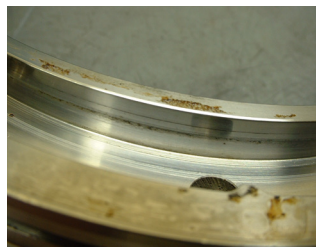
Carbon pull-out common with liquid contamination

*The Kaydon Ring & Seal Seal Repair Center provides **refurbishment and replacement seals of all makes and models.***

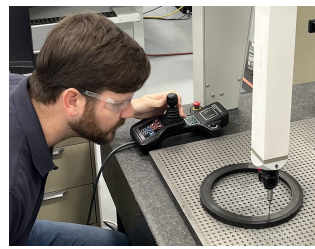
*Contact us today at [sealrepair@krs.us](mailto:sealrepair@krs.us) or learn more at [www.krs.us](http://www.krs.us)*



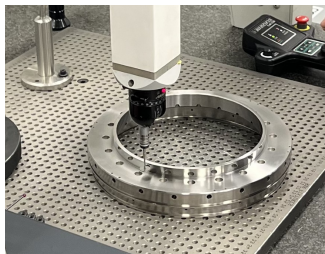
Stationary carbon beyond repair will be reverse-engineered



Pitted dynamic O-ring land repaired with nickel plating



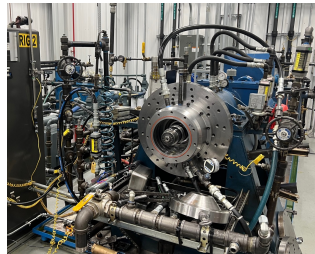
Replacement stationary ring inspected before use in repair



Replacement housing inspected before use in repair



Replacement stationary seal ring ready for re-build and test



Dynamic test rig being prepared for dynamic test



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