

Maintenance Proposal

At Moro Oil Services, in collaboration with our partners, a leader in centrifugal compressor solutions, we are committed to supporting your operations by offering inspection for your existing **Centac and Cameron centrifugal compressors**.

This service is critical in Preventive Maintenance, ensuring that your compressors perform optimally and identifying potential issues before they escalate into costly breakdowns. A proactive inspection helps to:

- Prevent unexpected failures in your air supply, which can disrupt production.
- Increase the reliability and lifespan of your compressors.
- Minimize downtime by addressing minor issues before they lead to major failures.
- Optimize energy efficiency, leading to cost savings.

Given the essential nature of your compressed air systems, we believe this inspection is a valuable step in maintaining seamless operations. Our expert team is ready to provide a comprehensive assessment and deliver tailored recommendations based on the results.

Scope of Work:

Preventive maintenance to detect possible Malfunctions and define the Point Zero of every Centrifugal Air Compressor to offer a tailor-made Maintenance plan and an AMC:

1. Vibration Analysis.
 2. Oil Analysis.
 3. Check of Calibration and functionality of the Valves IV-BV Check.
 4. Check of the Main Motor efficiency.
 5. Check all parameters – Data in Running.
 6. Check the history of each compressor, meaning every maintenance and overhauling, to define the actual situation of the fleet.
 7. Take records of the setup of every compressor for the parts.
- Air Filters and Prefilters.
 - Oil Filters.
 - Demister Cartridge.
 - IV-BV Valves Positioner.
 - IV-BV Valves Actuator.
 - To be up to date with any possible spare parts needed.

In detail:

- Chromium plating and grinding of pinions.
- Chromium plating/remanufacturing of pinion polygon as per OEM original drawing of the manufacturer to recreate a perfect match between impeller and pinion.
- Reporting material on impeller blades damaged after a possible crash with the diffuser.
- Sandblasting and epoxy painting of cooler jackets, air end, and all internal/external parts.
- Rotors balancing.
- Re-metalizing of the Bull gear Shaft.
- Reverse Engineering through the usage of a 3D Scanner – Robotic Arm to retrieve a complete and state-of-the-art- art drawing of all the parts needed.

Thank you for considering this opportunity to strengthen the reliability of your equipment. We look forward to supporting your team in maintaining uninterrupted and efficient operations.

MORO OIL SERVICES USA
INDUSTRIAL ENGINEERING COMPANY