

Compressor system requirement check-off sheet

Make: _____ Model: _____ Serial No: _____ Hp: _____

Installation date: ___ / ___ / ___ Technician: _____

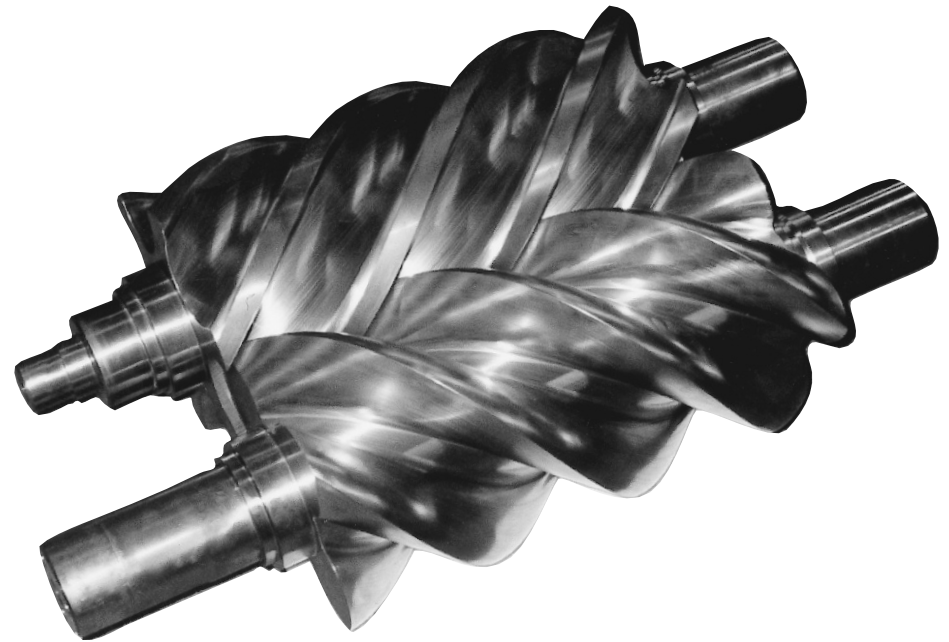
Please fill out *(1) for visual check, *(2) rebuilt, *(3) replaced

	Part Number	1 Visual Ck	2 Rebuilt	3 Replaced
Oil type				
Oil level				
Air filter				
Oil filter				
Air/oil separator				
Main line strainer				
Scavenger line orifice				
Scavenger line strainer				
Motor bearings				
Coupling element				
Coupling alignment	.005 both ways			
Discharge grommets				
High temp shutdn swt				
Blowdown valve				
Blowdown valve muffler				
Oil stop valve				
Fan motor bearings				
Fan blades				
Minimum pressure valve				
Motor rotation	CW CCW			
Oil hoses				
Pressure switch				
Pilot valve/modulator				
Control solenoid valve				
Temp gauge				
Air pressure gauge				
Hour meter				
Oil leaks				

IMPORTANT: Motor Bearings – Install new bearing and inspect bearing pockets. A percentage of airends we receive have failed due to bad motor bearings. Standard motor run out .001 under 2.5” and 0015 above 2.5”
 Coupling – Always install a new coupling element. Follow manufacturers specs for installation.

IMPORTANT

Installation Procedures



Airend Rebuilding

Airend Reinstallation Procedures and Startup

Proper installation is critical to airend life.

IMPORTANT: Keep the inlet covered to prevent any foreign material from entering the chamber, until the unit is in place.

Common sense service tips

- Air compressor environment dictate service intervals
- Intake filters - Contaminants are always entering the compressor. It's an open system.
- Compressor oil - Use synthetic oil. It doesn't matter if you have 4000 or 8000hrs. oil. Conditions dictate oil changes. The only way to get rid of contaminants is changing the oil and oil filter.
- Running Temp - High temps can lead to premature airend failure. Keep it within manufacturers specs.
- Motor Bearing - Rebearing and clean windings. Now is the time. Both need to run true. Align with laser
- Airend Coupling - The coupling halves need to move freely on shaft so proper adjustment can be made, don't force coupling in place.
- Drain oil from system and clean. Metal particles left in the system can clog orifices and lead to premature failure.
- Oil Cooler - Steam clean inside and out. Backflow to check for metal.

Installation

- 1) Establish correct motor rotation prior to airend installation. Improper rotation may result in severe damage.
- 2) Mount airend in frame and make connections. Remove safety tape from inlet. Pour fresh oil into the casting half way. Once done, turn airend over by hand to purge the excess oil out. Doing this coats the air gaps and bearing. Starting the airend dry can lead to it seizing

- 3) Mount the inlet and control piping.
- 4) Check airend bolts, plugs, fittings and piping. Some may need to be tightened and secured. Take your time, safety first.
- 5) Start the unit and run for **15** minutes. Check all the oil lines and make sure they are warm and oil flow has been established. **Check for oil leaks and vibrations.**
- 6) **Shut down unit** and check all the oil orifices leading into the airend for metal or other particles. **Check** the blow down valve. If not working properly it could **blowout** the **seal**.
- 7) **Change oil filter** after the first **50** hrs and then every **500** hrs.
- 8) Use a **thermal gun** to record discharge temperatures, oil injection temperatures, and oil temperatures entering and exiting coolers. This information **should be saved for future reference.**
- 9) Oil filter housing - inspect bypass ports.

NOTE: Airends are pressure tested before leaving our facility. Established new vibration baselines based on REMAN airend. Gear set and rotor noise levels will vary and can be expected.

Important – Warranty coverage

If the rebuilt airend fails because of metal fragments or contaminants left in the system the warranty will be void.

**If you have any questions
please call our service line**

Craftsmanship = Quality