

AIR END WARRANTY REGISTRATION & START UP CHECK LIST

To be completed & returned to Air Engineering® by the technician making the initial start up.

- ___ Obtain sample of old compressor lubricant. Send to Air Engineering® for analysis.
- ___ Clean the exterior of the oil cooler thoroughly by steam cleaning or pressure washing. Check the cooling fan for bent, nicked or dirty blades. Clean the fan or replace it as determined by inspection.
- ___ Change the oil and oil filter following manufacturers' recommendations for the working environment.
Oil used: Type _____
Brand Name or Number: _____
Oil filter part # _____
- ___ Change the air filter element. Check the inlet and the control orifices to be sure they are OK. Inspect air inlet path for cracked or broken fittings. **Air filter part #** _____
- ___ Check the coupling for wear and alignment at the listed clock face positions. See the drawing on page 2 for the correct placement of the dial indicator.
- Angular alignment:** 3:00 _____ 6:00 _____ 9:00 _____ 12:00 _____
- Parallel alignment:** 3:00 _____ 6:00 _____ 9:00 _____ 12:00 _____
- ___ Check pulleys for alignment and the deflection of v-belts as per manufacturers' specifications. **DO NOT OVER TIGHTEN V-BELTS.** Belts that are too tight will destroy the input end bearings. Refer to the compressor operators manual for specifications.
- ___ Check the motor and air end hold down bolts for tightness and integrity.
- ___ Replace motor bearings.
- ___ Check the direction of the motor rotation by momentarily bump starting the unit. **CAUTION: REVERSE ROTATION CAN SEVERELY DAMAGE THE UNIT AND COULD CAUSE PERSONAL INJURY OR PROPERTY DAMAGE! REVERSE ROTATION IS NOT COVERED BY WARRANTY.**
- ___ Check the rotation of the cooling fan motor in the same way. **REVERSE ROTATION VOIDS WARRANTY & WILL CAUSE OVERHEATING AND DAMAGE TO THE UNIT OR ITS SURROUNDINGS!**
- ___ Change the air / oil separator element. If performing a flushing procedure with AirSolv, be sure to change the air/ oil separator element **AFTER** the flushing procedure. **Air / oil separator part #** _____
- ___ Check all piping, tubing, couplings, fittings and / or hoses for leaks and to make sure they meet the manufacturers' recommendations. Are they assembled correctly?
- ___ Prime the unit by pouring _____ quarts / gallons of the proper compressor oil down the inlet.
- ___ Start the unit in accordance with the manufacturers' specifications and check all pressures.

Observe and adjust the compressor controls for proper operation and system pressure according to the service manual.

On water cooled units regulate the water flow temperature so as not to exceed manufacturers' specifications.

RECORD THE FOLLOWING DATA:

Ambient (room) temperature: _____ Discharge air PSIG: _____

Discharge air temp: _____ Injection Oil Temp into air end: _____ Injection Oil Pressure: _____

____ Check the thermo bypass valve if unit is so equipped. The injection oil temperature should be at least 145 degrees F on either air or water-cooled units to eliminate condensate water from the oil.

____ Check all safety and shutdown devices to be sure they are functional and working properly.

____ Review with both management and operating personnel the correct operating procedures and recommended routine maintenance schedule for this unit, including any suggested oil sampling.

Return this completed form to Air Engineering®.

Installed by: _____ Date: _____

Supervisor: _____

Company: _____

Make: _____

Model: _____

Serial # _____

Work Order # _____

Indicate which warranty you are requesting:

____ **1year** Standard warranty

____ **2 year** No cost extended warranty *

* Requires adherence to requirements described in "Air-End Warranties" document. . In order to preserve the Air Engineering® warranty, the customer account with Air Engineering® must be paid in full, according to the agreed upon terms. Non-payment of the account will reduce the warranty period to 30 days.