
ENGINEERING



MEMORANDUM

DATE: June 27, 2006
TO: Distributors/ Dealers
FROM: Floyd Schave- Chief Engineer
RE: OPERATION OF MATTEI COMPRESSOR
CC:

Crafco, Inc. is currently using a Mattei compressor on all of our compressor machines. Several questions have been raised about the operation of the compressor. I will try to answer these questions.

- Q. Smoke (oil vapor) comes off end of compressor when compressor is shut down. Is this normal?
- A. This is normal and is caused by air pressure (with oil vapor) exhausting from Rotor Stator Unit.
- Q. When the compressor is shut down, the compressor cannot be restarted until air pressure at air tank gauge shows 5 psi. Why is this?
- A. The Rotor Stator Unit must have low air pressure on restart or damage to rotating components will result.
- Q. I've been told that rotary compressors must be shut down slowly, which does not happen on the Crafco machines. Is this going to cause problems?
- A. No. Mattei has reviewed our application and our shutdown method and has assured us that it is acceptable.
- Q. There is oil accumulating inside the aluminum intake cover. Is there some sort of seal leak?
- A. This is normal. The air flows through the air filter and aluminum intake cover, where it picks up the accumulated oil for lubrication.

- Q. There is air leaking near the air hose connection. What is causing this?
- A. The leakage is normal and a necessary function of this type of compressor. It allows a small volume of air flow during operation cycles when air is not being used through air hose.

ROUTINE MAINTENANCE SCHEDULE

1. Blow out air compressor radiator every 2 weeks. Compressor will shut down if oil temperature reaches 230°F.
2. Clean the oil return valves every 400 hours
3. Change compressor oil after first 400 hours. Next change after 4000 hours.
4. Change air filter every 400 hours or more often depending on dust conditions.
5. Clean or change oil filter after 400 hours.
6. Change the oil separator after 10,000 hours.
7. Check oil level in sight glass daily. Check with compressor not turning. If compressor is turning, oil is drawn out of sump and will not show in sight gauge.