

UNIT 372896 INSPECTION



Feb. 24, 21

Paul Tremblay

Unit # 372896

Engine G3408 TA Serial # GNB01920

Compressor Serial # TDSH355L0093KZ

Unit appears to be mostly complete. The unit will need to be cleaned up as there is a layer of dust throughout the building and cooler.

NOTED ITEMS

- No belly pan on the unit
- Room vent fan is squeaking on the north side
- The age of the filters is unknown and should be replaced
- Insulation on the exhaust is damaged and needs repair
- No back pressure device was found on the package, might need one installed depending on site conditions
- Suction bottle is missing the dump control device
- All belts are weathered
- Missing exhaust manifold studs and spacers
- A light and conduit fell off roof
- Coupler installed distance appears to be out of spec., shim packs are flexed

COMPRESSOR

-Input shaft end play is 0.025" (appears excessive)

-Driven rotor end play is 0.008"



-The bearing on the driven rotor is covered in rust spots



-The driven rotor appears to mostly free of rust

ENGINE



-The interior of the engine appears to be rust free

Borescope results

The cylinder heads and liner packs look new.

#1- Nothing noted

#3- Liner scuffed at 10 & 2

#5- Nothing noted

#7- Liner scuffed at 10

#2- Liner scuffed 12 to 4

#4- Liner scuffed at 2, has water mark

#6- Nothing noted

#8- Liner scuffed 10 to 2, has water mark

Suction and coalescer vessels



-Appear to be complete with minimal rust

RECOMMENDATIONS

- Rebuild compressor (suspect rotors are damaged due to the excessive end play)
- Clean up and test all end devices
- Replace liner packs as needed
- Have plate exchanger rebuilt