

Titanium Dioxide Pigment Facility

Sulphur, Louisiana

Date of Service: March 2017

Equipment

Frick

Model#

TDSH 193L

Problem:

Customer owns and operates a RECO refrigeration skid, with a Frick compressor. The system contained approximately 40,000 lbs. of R-22 and was experiencing an excessive amount of oil in the refrigerant.

Recommendation:

Troubleshooting revealed the charge of R-22 was severely oil logged, with most of the oil trapped in the evaporator. As part of a planned outage, it was ChillCo's recommendation the entire refrigerant charge be removed, and processed through ChillCo's recovery and refrigerant processing machine (The Ox), to bring it back to an acceptable standard.

Project notes:

The Ox, ISO tanks, trailers, and hoses were delivered to stage and set up at the customer site, recover 40,300 lbs. of R-22, demobilize equipment to dedicated onsite location, stage and set up for refrigerant cleaning. Upon completion demobilize and set up at customer unit and recharge chiller system.

Results:

- Recovered and recycled approximately 40,300 lbs. of R22 and after refrigerant analysis proved to be at an acceptable level.
- Distilled 100 gallons of oil from the refrigerant.
- Recharged the refrigeration skid with 39,600 lbs. of R-22.
- Refrigerant was removed quickly allowing work to begin ahead of schedule on the refrigeration skid.
- With our highly trained and skilled, EPA certified refrigeration mechanics, we also identified other system operational issues and made the necessary repairs.

