CONAGRA BRANDS

Refrigeration System Inspection
AMMONIA COMPRESSORS

ID NUMBER:

Plant:

Address:

Contact: Telephone:

Inspector: Date:

Compressor Package:

Status: Active

Compressor Location:

Compressor Identification No: (MLS)

Application: Swing **Type:** Rotary Screw

Other (List Here)

Application Data: Design Conditions

Type of Drive: Direct Operating Speed (*rpm*):

Design Capacity (*TR*): @ Design Suction (*psig):* (Hg):

Design Discharge (*psig*):

Max. Suction Pressure (*psig*): Max. Discharge Pressure (*psig*):

Internal Relief Valve: No Size (*lb/min air*): Set Press (*psig*):

Compression Ratio:

Compressor Nameplate Data:

Manufacturer: Sullair Year Manufactured:

Other (List Here)

Model: Serial

Refrigerant: CO2 Crankcase/Housing Test Pressure (*psig*):

Max. Rotation Speed (*rpm*): Direction of Rotation: Counterclockwise

Motor Nameplate Data:

Manufacturer: Year Manufactured:

Model: Serial

Frame Size: Type : Speed (*rpm*): Power (*hp*):

Voltage (*Vlts*): 4160 FLA (*amps*): Phase 1

Frequency (*Hz*): 50 Coupler Type: Shear Insert

Belt size & number: Number
Size

Compressor Operating Set-points:

Suction Pressure (*psig/Hg*): Suction Temperature (F.):

Discharge Pressure (*psig*): Discharge Temperature (*F*):

Inlet Oil Temperature (F): Oil Pressure (psig):

Compressor Control Panel Type: Micro-Processor **Controller Manufacture:** FES
Other (List Here)

Compressor Critical Cutouts:

High Discharge Pressure Setting (*psig*):

Low Suction Pressure Setting (*psig*):

Low Oil Pressure Setting (*psid/psig*):

High Oil Temperature (F)

High Level Shut Down: ☐ Yes ☐ No

Pressure Vessel Application Data: Compressor Oil Separator

Normal Operating Pressure (*psig*): Temperature (F):

Vessel Size: Diameter(in): Length (ft): Height (ft):

Nominal Ammonia Inventory (*cubic ft*): Oil Capacity (gal):

Design Capacity (*specify: Pumpdown, Surge Vol., TR, etc.*):

Pressure Vessel Nameplate Data:

Manufacturer Model Serial #

Year Manufactured: Max. Design Working Pressure (*psig*): 400
Other (List Here)

Maximum Allowable Pressure (*psig*): 400 At (*F*):
Other (List Here)

Minimum Design Pressure (psig.): At (*F*):

Test Pressure Applied (*psig*):

National Board No: ASME Certification Stamp? Yes

Safety Relief Valve Data Oil Separator:

Type: Single

Manufacturer Hansen ☐ Model
Other (List Here)

Year Replaced ASME Seal Intact Yes

Pressure Setting (*psig*): 300 Capacity (*lbs. Air/min*): Capacity (SCFM)
Other (List Here)

Valve Connections: Inlet 1/2" Outlet 1/2" Pipe Size: Inlet 1/2" Outlet 1/2"

Is Valve Properly Installed and Piped to Termination? Yes

If No, Explain:

Oil Cooling: NH3 Thermosyphon Other (*Describe*):

S&T Heat Exchanger Application: **Oil Cooling Heat Exchanger:**

Normal Operating Pressure (*psig*): Temperature (*ºF*):

Vessel Size (*Diam. X L/H, ft*): Normal Liquid Level (*ft*): or %:

Tube Material: Carbon Steel Tube O.D. (*in*): Number of Tubes:

Normal Ammonia Inventory (*Volume/Weight*): Cubic Ft: lbs:

Design Capacity: TR with GPM of In @ ºF, Out @ º F

S & T Heat Exchanger Nameplate Data: **Oil Cooling Heat Exchanger:**

Manufacturer Year Manufactured:

Model Serial #

Shell Side Pressure (*psig*): 400 at º F: Tube Side Pressure (*psig*): 400 at º F:

Maximum Allowable Pressure (*psig*): 400 Test Pressure Applied (*psig*):

Minimum Design Metal Temperature (*º F*): at (*psig*):

National Board No: ASME Certification Stamp? Yes

Hydrostatic Oil Relief Yes SRV Connections: Inlet Outlet

Manufacturer, Name: Model #: Year Replaced:

Pressure Setting (*psig*): Capacity (water/gpm): ASME Seal Intact? Yes

Safety Relief Valve Data Oil Cooler NH3: (Thermosyphon Only)

Type: Single ASME Seal Intact Yes

Year Replaced

Pressure Setting (*psig*): 300 Capacity (*lbs. Air/min*): Capacity (SCFM)
Other (List Here)

Valve Connections: Inlet 1/2" Outlet 1/2" Pipe Size: Inlet 1/2" Outlet 1/2"

Is Valve Properly Installed and Piped to Termination? Yes

If No, Explain: