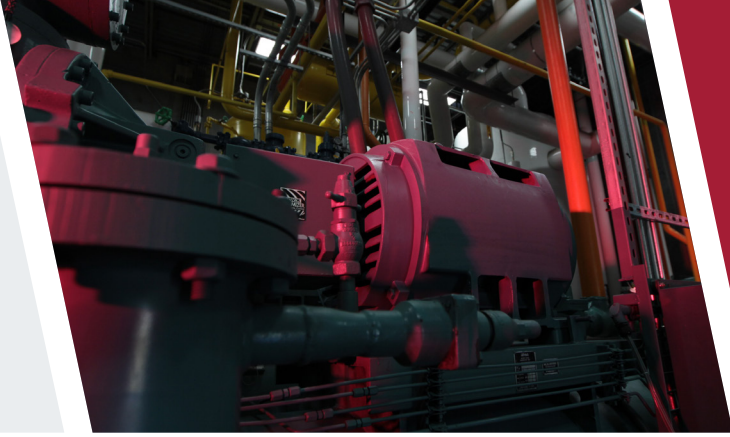




COMPLETE COMPRESSOR PACKAGE INSPECTION CHECKLIST

SITE NAME/LOCATION		
SERVICE ORDER #		DATE
ORIGINAL CONTRACT #		RELIEF VALVE DATE

GENERAL

- ☐ Inspect skid for rust and corrosion

REFRIGERANT CIRCUIT

- ☐ Clean suction strainer
- ☐ Clean liquid injection oil cooling (LIOC) strainer (if applicable)
- ☐ Check operation of LIOC (if applicable)
- ☐ Inspect all external refrigerant lines
- ☐ Leak check machine properly

ELECTRICAL CIRCUIT

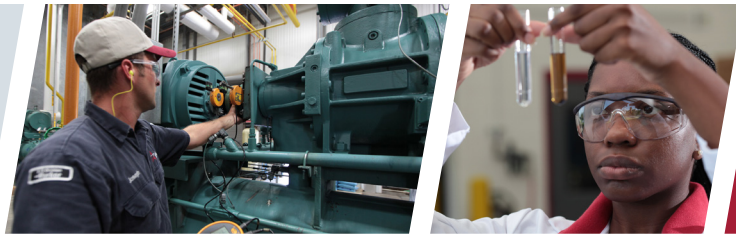
(NOT APPLICABLE ON 4160V)

- ☐ Inspect motor terminals
- ☐ Grease motor bearings
- ☐ Check all connections in starter
- ☐ Inspect condition of contactors

- ☐ Check relays in starter and control panel
- ☐ Check timers in starter and control panel
- ☐ Check starter and control panel for proper operation

LUBRICATION CIRCUIT

- ☐ Change oil if warranted by analysis
- ☐ Replace oil filters
- ☐ Inspect coalescer elements
- ☐ Clean oil pump suction strainer
- ☐ Check oil pump alignment
- ☐ Inspect all external oil lines
- ☐ Check oil pressure regulator
- ☐ Check operation of oil return system
- ☐ Oil cooler, check operation (if applicable)
- ☐ Check operation of oil heaters



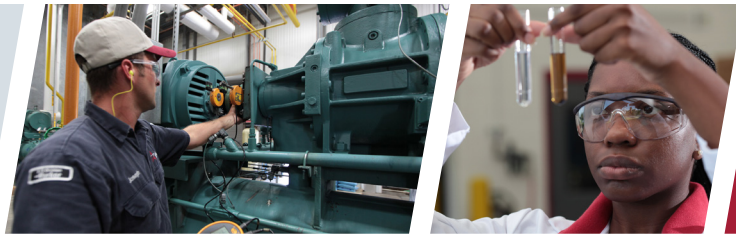
COMPRESSOR INSPECTION

- | | |
|---|--|
| ☐ Log machine properly | ☐ Calibrate motor current transformer |
| ☐ Take overall (peak) vibration readings | ☐ Adjust load/unload solenoid valve |
| ☐ Check motor current draw | ☐ Check axial float in male rotor shaft |
| ☐ Check motor load control | ☐ Check motor/compressor alignment |
| ☐ Calibrate pressure sensors | ☐ Check operation of all safeties |
| ☐ Calibrate temperature sensors | |

COMPRESSOR		CONTROL PANEL		
MODEL #		ELECTRO-MECH		
ELECTRO-MECH				
SERVICE #				
C/T-				

DESIGN CONDITIONS

REFRIGERANT TYPE					
SUCTION TEMPERATURE		°F	PRESSURE		PSIG
DISCHARGE TEMPERATURE		°F	PRESSURE		PSIG
ECONOMIZER TEMPERATURE		°F	PRESSURE		PSIG

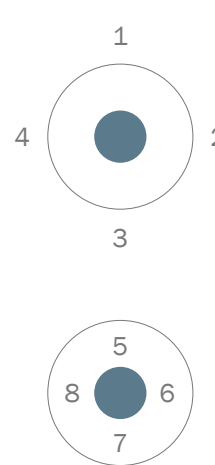


OPERATING DATA

HOURS OF OPERATION		HRS		
PROCESS TEMPERATURE (IF APPLICABLE)		°F	VOL. RATIO	
SUCTION TEMPERATURE		°F	PRESSURE	PSIG
DISCHARGE TEMPERATURE		°F	PRESSURE	PSIG
INLET OIL TEMPERATURE		°F	OIL PRESS.	PSIG
OIL SEPARATOR TEMPERATURE		°F		
COMPRESSOR SLIDE VALVE POSITION		%		
MOTOR CURRENT		AMPS		
OIL FILTER PRESSURE DROP		PSID		
PRIMARY CHAMBER				
LOWER SIGHT GLASS				
CENTER SIGHT GLASS (IF APPLICABLE)				
UPPER SIGHT GLASS				
SECONDARY CHAMBER				
ECONOMIZER PORT PRESSURE				
COMPRESSOR SHAFT SEAL LEAKAGE				DROPS/MINUTE
COMPRESSOR MALE SHAFT END FLOAT				

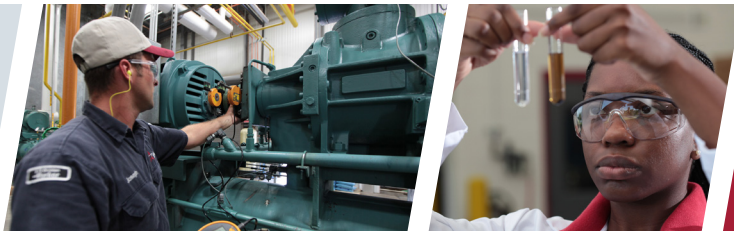
HOT ALIGNMENT

PARALLEL	
1	.000
2	.000
3	.000
4	.000
ANGULAR	
5	.000
6	.000
7	.000
8	.000



The diagram shows two circles representing shafts. The top circle has points 1, 2, 3, 4. The bottom circle has points 5, 6, 7, 8.

TIR	
(V)	.000
(H)	.000
(V)	.000
(H)	.000



ELECTRICAL CHECKS

L1/L2		VOLTS	L1		AMPS
L1/L3		VOLTS	L2		AMPS
L2/L3		VOLTS	L3		AMPS

MOTOR CURRENT

UPPER		AMPS		LOWER		AMPS		P.B./D.B.	
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SAFETY CONTROL

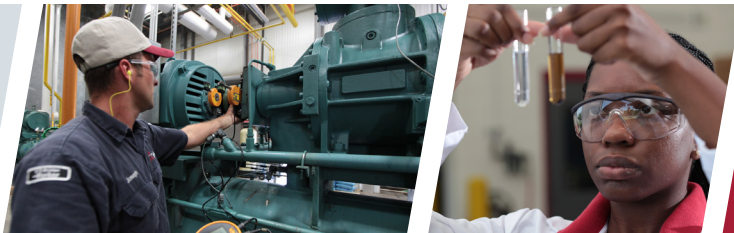
PARAMETER	CUTOUT				
	HIGH			LOW	
SUCTION PRESSURE					PSIG
DISCHARGE PRESSURE		PSIG			
OIL PRESSURE		PSID			PSID
OIL FILTER PRESSURE		PSID			
DISCHARGE TEMPERATURE		°F			°F
OIL TEMPERATURE		°F			°F

*Don't forget to take your vibration readings and attach the results to this report.

OIL PUMP ALIGNMENTS

(NOT APPLICABLE FOR C-FACE MOTOR TO PUMP)

OIL PUMP #1 HOT ALIGNMENT				OIL PUMP #2 HOT ALIGNMENT			
MOTOR TO GEAR		GEAR/MOTOR TO PUMP		MOTOR TO GEAR		GEAR/MOTOR TO PUMP	
TIR PAR H	N/A	TIR PAR H	C-Face	TIR PAR H	N/A	TIR PAR H	N/A
TIR PAR V	N/A	TIR PAR V	C-Face	TIR PAR V	N/A	TIR PAR V	N/A
TIR ANG H	N/A	TIR ANG H	C-Face	TIR ANG H	N/A	TIR ANG H	N/A
TIR ANG V	N/A	TIR ANG V	C-Face	TIR ANG V	N/A	TIR ANG V	N/A
HOT COUPLING ALIGNMENT NOT TO EXCEED 0.010" TIR IN ANY PLACE							
ARE SET SCREWS SECURED IN THRUST COLLARS?							

[illegible]

- Now that you've completed your inspection, have a skilled refrigeration analyst review your results. Identify inconsistencies and issues and take the necessary corrective measures, including verification, calibration and troubleshooting.

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