



# Air Compressor Maintenance - Reciprocating Compressor

11 May 2023 / B. Fang

Complete

Score	0%	Flagged items	0	Actions	0
<b>Site conducted</b>					Unanswered
<b>Conducted on</b>					11.05.2023 11:32 PST
<b>Prepared by</b>					B. Fang
<b>Location</b>					827 4th Ave, Chula Vista, CA 91911, USA (32.6219608, -117.0766271)

## Maintenance

### General Inspection

Inlet filter (located inside or outside)	Good
Housing condition	Good
Inlet filter condition	Good
Date last changed:	29.04.2023
Package discharge pressure	Good
Full load pump discharge air temp	Good
Ambient temperature	Requires Action



Photo 1

#### Room temperature:

Room temperature is becoming too hot.

#### Intake temperature:

Intake temperature becoming too hot because of the room temperature.

#### Oil level

Requires Action

Replenished reciprocating compressor oil with manufacturer recommended type.

#### Grease motors

Requires Action

#### Type of grease:

Applied more grease using the new supply we got from the manufacturer.

#### Oil leaks

Good

#### Excessive vibration

Good

#### Belts tight

Good

#### Condition:

Belts are tight after replacement last month.

**Unit safety valves**

Good

**PSI:**

15 PSI

**Flow:**

Normal

**Unit properly regulated**

Good

**Condition of regulator filter**

Good

**Coolant type:**

Coolant is manufacturer recommended type.

**Coolant changed**

No

No need to change. Was changed last week.

**Inner-cooler/after-cooler cleaned**

Yes

Aftercooler and guard cleaned



Photo 2

**Check online/offline pressure**

Good

**Check line filters**

Good

**Check for air leaks**

Good

There was an issue of air leak last week but already fixed. As of today no leaks.

**Blow out dryer**

Good

**Belt guard secure**

Good

**Check pressure switch**

Good

**Check condensate drains**

Good

Good and dry.

Check oil/water separator

Good

Clean unit

Done

## Electrical Inspection

**Voltage:**

480V

**Amperage:**

Normal

**Voltage drop :**

Normal

**Total package amps (Full Load):**

Normal

Inspect contactors

Good

View electrical connections

Requires Action

I suspected a loose connection and fixed it now.

Duty cycle test

Good

## Completion

### Comments/Recommendations

Ambient temperature of the room needs urgent attention. I recommend more ventilation. Already assigned an urgent task to head of facilities to work on this. Going to meet him in 10 minutes.

**Name and Signature of Inspector**



B. Fang  
11.05.2023 11:51 PST

## Media summary



Photo 1



Photo 2