



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 139193

Date: February 26,  
2019

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: Carlisle SynTec Inc

Location: Senatorial

Contact: Curtis McCollar

## Name Plate Information

Manufacturer: Cone Drive

Ratio: 180:1

Serial#: Q3380131-100-1

Type : Dual Gearbox

Model#:

Horsepower/kW:

Input Speed: 1775

Output Speed:

Application ID:

Coupling Type:

## Gearbox Visual Inspection

	Wear	Physical	Contaminants
<b>Oil:</b>	Unacceptable	Acceptable	Unacceptable
<b>Gears:</b>	Acceptable	Acceptable	Acceptable
<b>Seals:</b>	Acceptable	Acceptable	Acceptable

**WEST TENNESSEE**  
7030 Ryburn Drive  
Millington, TN 38053  
Phone 901-873-5300  
Fax 901-873-5301

**CENTRAL ARKANSAS**  
6812 Lindsey Rd.  
Little Rock, AR 72206  
Phone 501-375-9178  
Fax 501-375-4254

## Gearbox Inspection (Continued)



### WEST TENNESSEE

7030 Ryburn Drive  
Millington, TN 38053  
Phone 901-873-5300  
Fax 901-873-5301

### CENTRAL ARKANSAS

6812 Lindsey Rd.  
Little Rock, AR 72206  
Phone 501-375-9178  
Fax 501-375-4254

## Gearbox Inspection (Continued)

Environmental Conditions : General Industrial

Ambient Temperature :

Signs of excessive heat: No

Humidity :

Signs of lubricant leaks: No

Gearbox temperature :

Moisture present: No

## Gearbox Inspection & Evaluation Checklist

- |  |             |
|--|-------------|
| 1. Primary drive rotates input shaft in correct direction              | Yes         |
| 2. Condition of machinery guards if present                            | Not Present |
| 3. Condition of coupling guards  | Not Present |
| 4. Type of coupler   |             |
| 5. Condition of coupler  | Not Present |
| 6. Coupling Alignment  |             |
| 7. Condition of housing  | Acceptable  |
| 8. Condition of mounting hardware                                      | Acceptable  |
| 9. Breather vent (ventilator) installed                                | Not Present |
| 10. Condition of piping & connections(if forced lube system installed) | N/A         |

### WEST TENNESSEE

7030 Ryburn Drive  
Millington, TN 38053  
Phone 901-873-5300  
Fax 901-873-5301

### CENTRAL ARKANSAS

6812 Lindsey Rd.  
Little Rock, AR 72206  
Phone 501-375-9178  
Fax 501-375-4254

## Gearbox Inspection & Evaluation Checklist (Continued)

11. Condition of switches, alarms, heaters, coolers, or other devices	Not Present
12. Condition of inspection covers	Not Present
13. Condition of seals & bearings	Acceptable
14. Gearbox oil level	Acceptable
15. Type & grade of specified lubricant	
16. Correct type & grade of specified lubricant	Unknown
17. Appearance of lubricant	Contaminated
18. Free rotation of shafts	Yes
19. Condition of input shaft	Acceptable
20. Endplay of input shaft	
21. Condition of output shaft	Acceptable
22. Endplay of output shaft	
23. Gear backlash	Acceptable

**WEST TENNESSEE**

7030 Ryburn Drive  
Millington, TN 38053  
Phone 901-873-5300  
Fax 901-873-5301

**CENTRAL ARKANSAS**

6812 Lindsey Rd.  
Little Rock, AR 72206  
Phone 501-375-9178  
Fax 501-375-4254



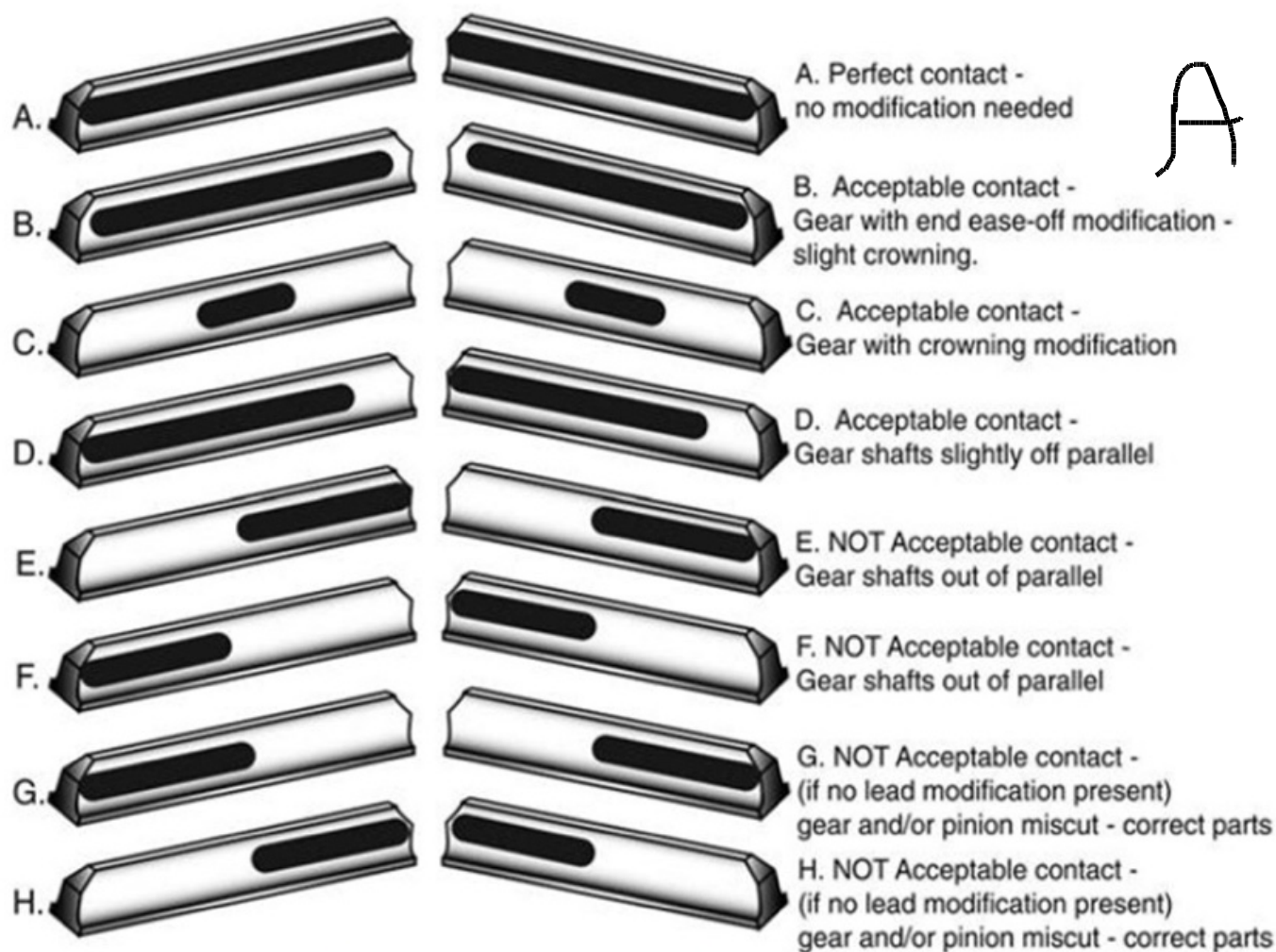
## Gearbox Inspection & Evaluation Checklist (Continued)

24. Gear tooth condition Acceptable

25. Degree of wear Mild

26. Gear tooth contact Acceptable

27. Identify type of gear tooth contact



Typical Contact Patterns for Double Helical Gears

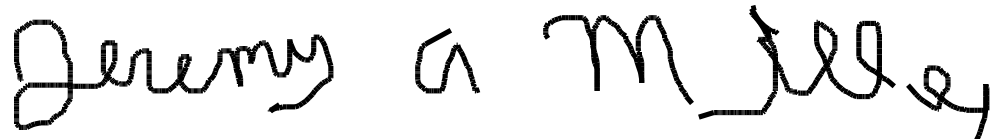
## Gearbox Comments

Left top two pictures are of separate reducer gearbox that attaches to large main gearbox. It has no nameplate but appears to be built by Cone Drive also. Disassembled it first, all parts look great. Clean up with new bearings and seals should cover it. There are hand drawn pictures on our paper work to help during reassembly. The large main gearbox turns well, hollow shaft is gauded in few places. This will need machine work and repairs done to bring back to original condition.

## Conclusion

Service Tech name: Jeremy Miller

Service Tech signature:

A handwritten signature in black ink that reads 'Jeremy A. Miller'.