



MILLINGTON, TN

LITTLE ROCK, AR

Job Information

Job #: 142368

Date: April 29, 2020

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Cleveland tram rail

Location:

Contact:

Name Plate Information

Manufacturer: Cleveland

Ratio:

Serial#:

Type :

Model#:

Horsepower/kW:

Input Speed:

Output Speed:

Application ID:

Coupling Type:

Gearbox Visual Inspection

	Wear	Physical	Contaminants
Oil:	Unacceptable	Unacceptable	Unacceptable
Gears:	Unacceptable	—	—
Seals:	—	—	—

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)



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Gearbox Inspection (Continued)

Environmental Conditions : Severe/Hostile

Ambient Temperature :

Signs of excessive heat: No

Humidity :

Signs of lubricant leaks: Yes

Gearbox temperature :

Moisture present: Yes

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 | Present/Acceptable |
| 4. Type of coupler | None |
| 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) | Not Present |

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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	Unacceptable
14. Gearbox oil level	N/A
15. Type & grade of specified lubricant	
16. Correct type & grade of specified lubricant	Unknown
17. Appearance of lubricant	(See notes)
18. Free rotation of shafts	Yes
19. Condition of input shaft	Damaged
20. Endplay of input shaft	
21. Condition of output shaft	Unacceptable
22. Endplay of output shaft	
23. Gear backlash	Acceptable

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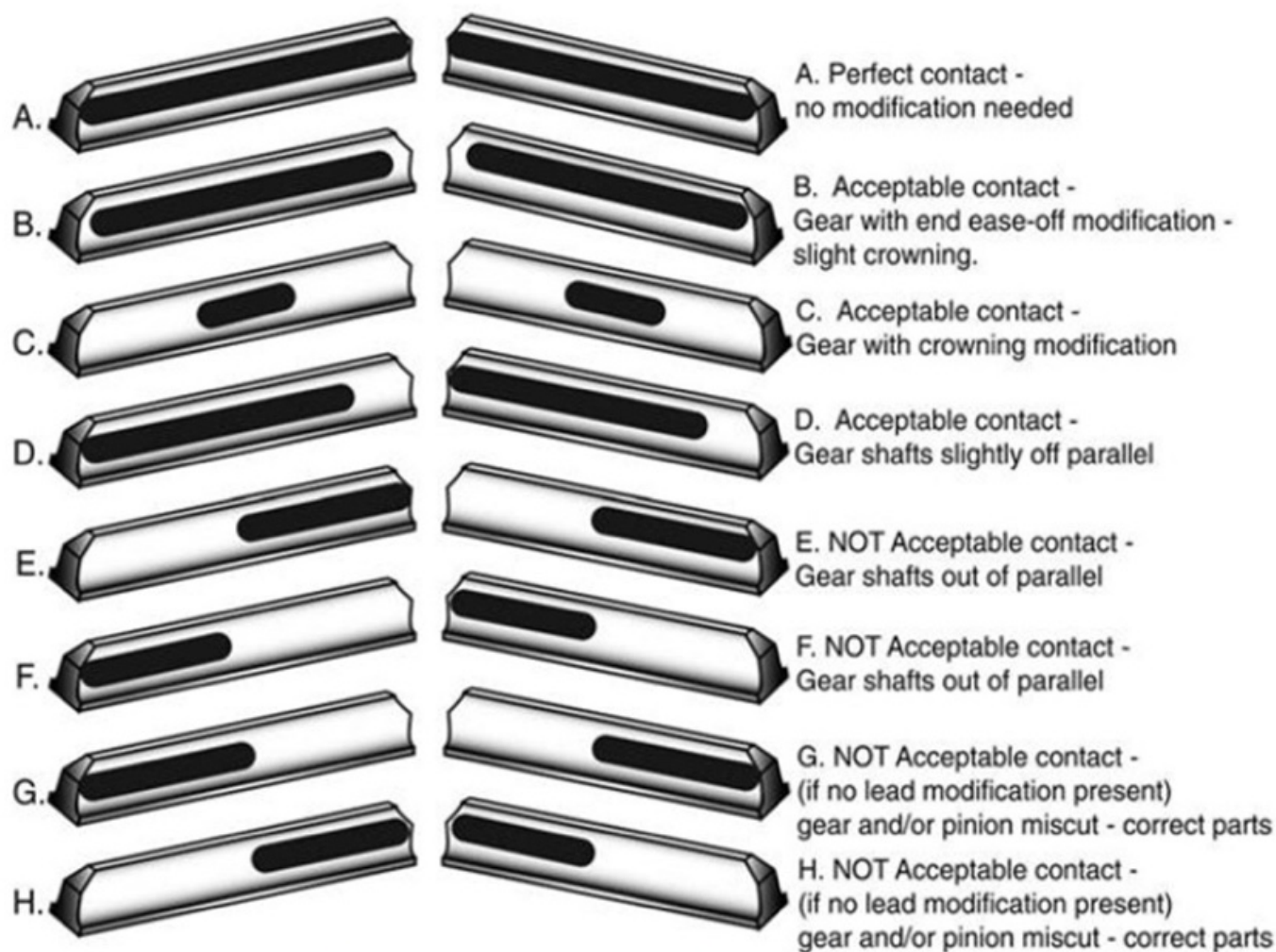
Gearbox Inspection & Evaluation Checklist (Continued)

24. Gear tooth condition Unacceptable

25. Degree of wear Mild

26. Gear tooth contact Damaged

27. Identify type of gear tooth contact



Typical Contact Patterns for Double Helical Gears



MILLINGTON, TN

LITTLE ROCK, AR

Gearbox Comments

Replace bearings, shaft gear .weld crack n housing roller pin bracket. Replace shaft gear , due to water on teeth.

Conclusion

Service Tech name: Jesus

Service Tech signature:

A handwritten signature in black ink, appearing to be 'Jesus', with a vertical line and a small dash to the right.

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