



MILLINGTON, TN

LITTLE ROCK, AR

Job Information

Job #: 142243

Date: April 6, 2020

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: USG

Location:

Contact:

Name Plate Information

Manufacturer: Fall

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:	Acceptable	Acceptable	Acceptable
Seals:	Unacceptable	Unacceptable	Unacceptable

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 | Two piece |
| 5. Condition of coupler | Present/Acceptable |
| 6. Coupling Alignment | |
| 7. Condition of housing | Acceptable |
| 8. Condition of mounting hardware | Damaged |
| 9. Breather vent (ventilator) installed | Not Present |
| 10. Condition of piping & connections(if forced lube system installed) | Present/Acceptable |

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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	Present/Acceptable
13. Condition of seals & bearings	Damaged
14. Gearbox oil level	N/A
15. Type & grade of specified lubricant	
16. Correct type & grade of specified lubricant	Acceptable
17. Appearance of lubricant	Milky
18. Free rotation of shafts	No
19. Condition of input shaft	Acceptable
20. Endplay of input shaft	Worn
21. Condition of output shaft	Worn
22. Endplay of output shaft	
23. Gear backlash	Acceptable

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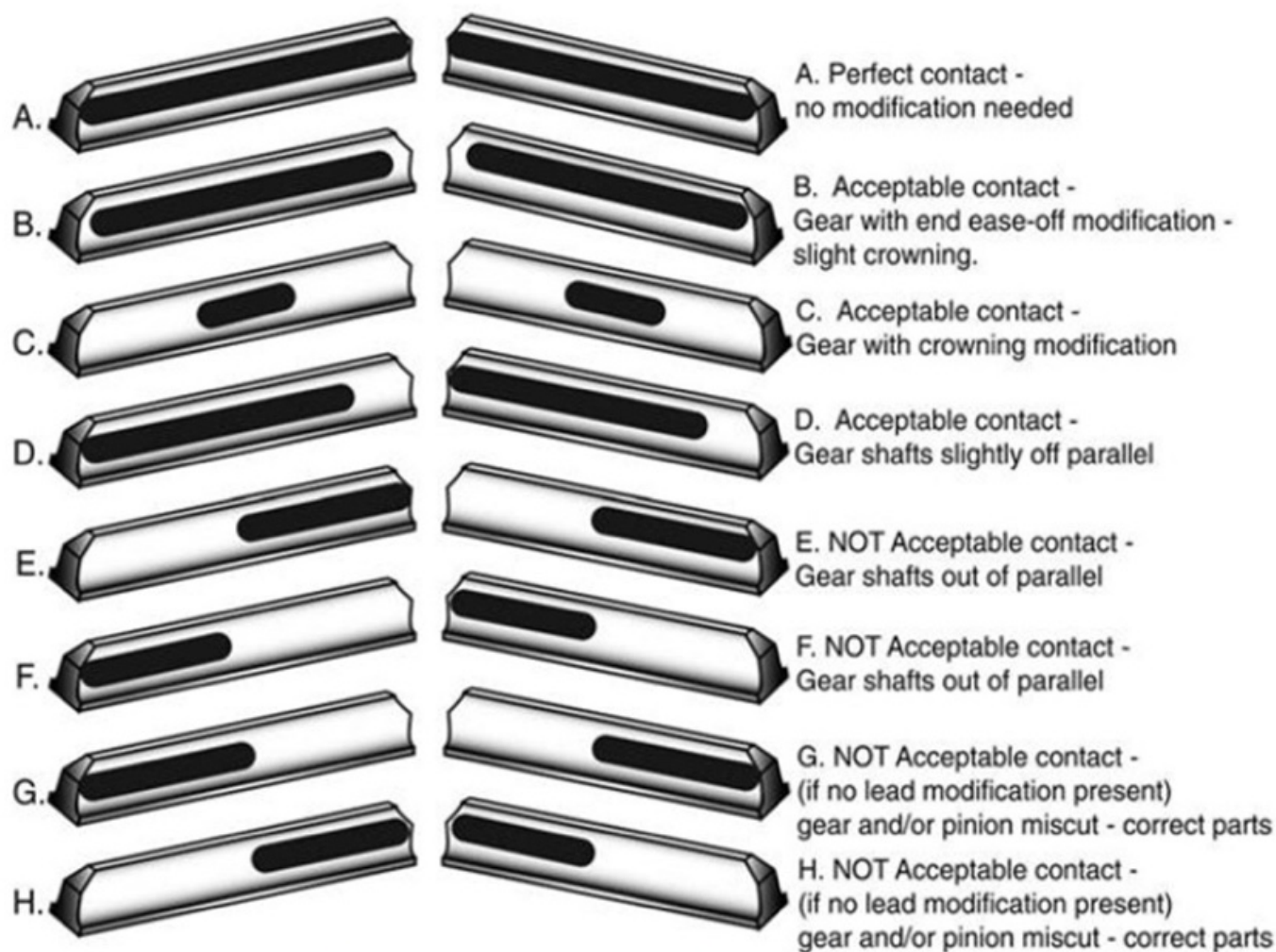
Gearbox Inspection & Evaluation Checklist (Continued)

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

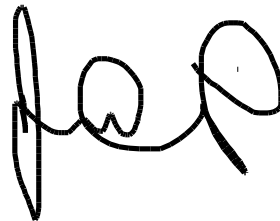
Gearbox Comments

Upon inspection of this unit we found damaged , mid reduction or interm gear bottom bearing .input shaft shows wear on oil seal area (oil grooves) needs repair , output shaft shows wear on oil seal area as well . Replace bearings and seals polish gears teeth clean up sharp edges, and smeared areas on teeth.

Conclusion

Service Tech name: Jesus

Service Tech signature:

A handwritten signature in black ink, appearing to be 'Jesus'.**WEST TENNESSEE**

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