



MILLINGTON, TN

LITTLE ROCK, AR

Job Information

Job #: 139708

Date: May 9, 2019

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name:

Location:

Contact:

Name Plate Information

Manufacturer: Nord Drivesystems

Ratio: 10.58 :1

Serial#: 202305126-100 28221419

Type : SK 52 VL N250TC

Model#:

Horsepower/kW:

Input Speed: n 165 rpm

Output Speed:

Application ID:

Coupling Type:

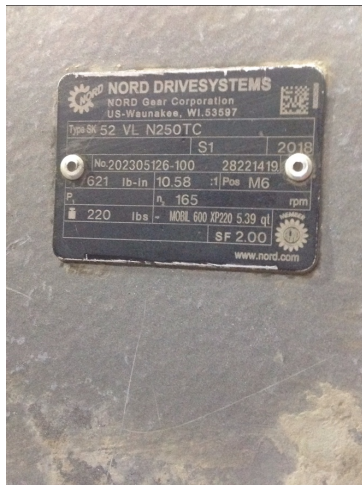
Gearbox Visual Inspection

	Wear	Physical	Contaminants
Oil:	Unacceptable	Unacceptable	Unacceptable
Gears:	Unacceptable	Unacceptable	Unacceptable
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)



Gearbox Inspection (Continued)

Environmental Conditions : Severe/Hostile

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 | N/A |
| 3. Condition of coupling guards | N/A |
| 4. Type of coupler | N/A |
| 5. Condition of coupler | N/A |
| 6. Coupling Alignment | N/A |
| 7. Condition of housing | Damaged |
| 8. Condition of mounting hardware | Acceptable |
| 9. Breather vent (ventilator) installed | N/A |
| 10. Condition of piping & connections(if forced lube system installed) | N/A |

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Gearbox Inspection & Evaluation Checklist (Continued)

11. Condition of switches, alarms, heaters, coolers, or other devices	N/A
12. Condition of inspection covers	N/A
13. Condition of seals & bearings	Unacceptable
14. Gearbox oil level	N/A
15. Type & grade of specified lubricant	Mobil 600 XP220 5.39qt
16. Correct type & grade of specified lubricant	Unknown
17. Appearance of lubricant	Contaminated
18. Free rotation of shafts	No
19. Condition of input shaft	Acceptable
20. Endplay of input shaft	N/A
21. Condition of output shaft	Acceptable
22. Endplay of output shaft	N/A
23. Gear backlash	Unacceptable

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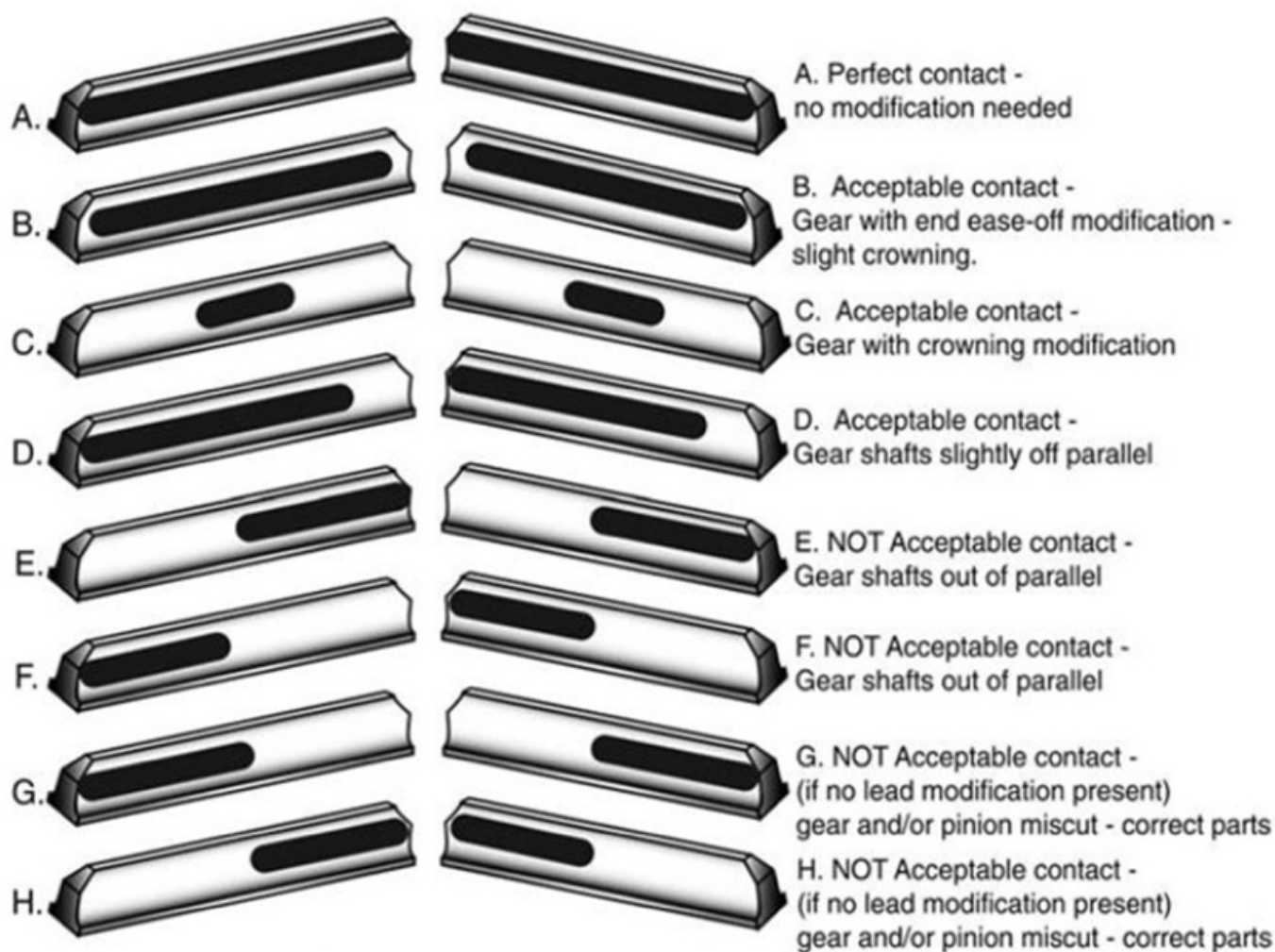
Gearbox Inspection & Evaluation Checklist (Continued)

24. Gear tooth condition Damaged

25. Degree of wear Severe

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

5157301 0 38 Z 17 gear is bad

5157201.147Z17. Spline shaft gear is bad

5157105.2 51Z17 gear is good

6306 a

NJ2306E

22211CAW33

22311EAE4

Two 65x120x10 seals are bad

One VK 72x9x5 LYO 00721 seal cap is bad

Conclusion

Service Tech name:

Service Tech signature:

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