



## Gearbox Inspection

Greenbrier Central LLC

709 Jones Road  
Paragould, AR 72450

FolderID: 153704  
FormID: 21706136



### Gearbox Inspection

Completed by: JAMES VALENTINE on  
09/24/2024

Location: Bld 709

Serial Number: NO SPEC PLATE

Job Number: 153704

Description: Gearbox

Hi-Speed Job Number: 153704

Customer Name:: Greenbrier

Priorities Found: ● 3 - High ● 1 - Medium ● 13 - Good


### Gearbox Visual Inspection

|  |   |                           |              |
|--|---|---------------------------|--------------|
| 1.                                       | Date Inspection Performed                                   | 09/24/2024                |              |
| <span style="color: orange;">●</span> 2. | Oil Condition   |                           |              |
|  | Wear  | Physical                  | Contaminants |
|  | <span style="color: gray;">■</span> <i>Mixed with water</i> |                           |              |
| <span style="color: green;">●</span> 3.  | Gears:  |                           |              |
|  | Wear  | Physical                  | Contaminants |
|  | <span style="color: gray;">■</span> <i>Good</i>             |                           |              |
| 4.                                       | Seals:  |                           |              |
|  | Wear  | Physical                  | Contaminants |
|  | <span style="color: gray;">■</span> <i>N/a</i>              |                           |              |
| 5.                                       | Environmental Conditions                                    |                           |              |
|  | Ambient Temperature (F)                                     | Humidity                  |              |
|  | <span style="color: gray;">■</span> <i>N/a</i>              |                           |              |
| 6.                                       | Physical Issues   |                           |              |
|  | Signs of Excessive Heat?                                    | Signs of Lubricant Leaks? |              |
|  | <span style="color: gray;">■</span> <i>N/a</i>              |                           |              |
| 7.                                       | Other conditions  |                           |              |
|  | Gearbox Temperature (F)                                     | Moisture Presence         |              |
|  | <span style="color: gray;">■</span> <i>N/a</i>              |                           |              |

### Gearbox Inspection & Evaluation Checklist

|  |  |           |
|--|--|-----------|
| <span style="color: green;">●</span> 8.  | Primary drive rotates input shaft in correct direction | (Yes) Yes |
| 9.                                       | Condition of Machinery Guards if Present               | (NA)      |
| 10.                                      | Condition of Coupling Guards if Present                | (NA)      |
| <span style="color: green;">●</span> 11. | Type of Coupler:                                       |           |
|  | <span style="color: gray;">■</span> <i>Direct.</i>     |           |

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|   |   |                     |
|---|---|---------------------|
| 12.   | Coupling Alignment  | n/a                 |
| ●   | 13. Condition of Housing  | (Pass) Acceptable   |
| ●   | 14. Condition of Mounting Hardware  | (Pass) Acceptable   |
|   | 15. Breather Vent Installed:  | (NA)                |
|   | 16. Condition of Piping & connections (if forced lube system installed)   | (NA)                |
|   | 17. Condition of switches, alarms, heaters, coolers or other devices  | (NA)                |
|   | 18. Condition of inspection covers  | (NA)                |
| ●   | 19. Condition of seals & bearings   | (Pass) Acceptable   |
| ●   | 20. Gearbox Oil Level   | (Fail) Unacceptable |
| ●   | 21. Gearbox Oil Level [COPY]  | (Fail) Unacceptable |
|   | 22. Type and Grade of Specified Lubricant   | n/a                 |
|   | 23. Correct type and grade of specified lubricant   | (NA)                |
| ●   | 24. Appearance of lubricant   | (Fail) Unacceptable |
| ●   | 25. Free rotation of shafts   | (Yes) Yes           |
| ●   | 26. Condition of Input shaft  | (Pass) Acceptable   |
| ●   | 27. Gear tooth condition  | (Pass) Acceptable   |
| ●   | 28. Degree of Gear Wear   | (Mild) Mild         |
| ●   | 29. Gear tooth Contact  | (Pass) Acceptable   |
| <b>Gearbox Summary</b>  |   |                     |
| ●   | 30. Summary of Issues and Overall Condition of the Gearbox<br><i>NEEDS</i><br><i>2-6305 bearings</i><br><i>2-6018zr</i><br><i>1-hr30306j inner</i><br><i>1-hr30306j outer</i><br><i>1-hr30308j inner</i><br><i>1-hr30308j outer</i> |                     |
| ●   | 31. Technician Signature  | James Valentine     |
|  |   |                     |