



Hi-Speed Industrial Service  
7030 Ryburn Dr  
Millington, Tn 38053  
901-873-5300

## Gearbox Inspection

Quikrete (0001756)  
4362 Millington Road  
Memphis, TN 38127

FolderID: 153703  
FormID: 21660976



### Gearbox Inspection

Completed by: JAMES VALENTINE on  
09/19/2024

Location: Tower

Serial Number: 87190271002

Job Number: 153703

Description: Small Gearbox

Hi-Speed Job Number: 153703

Customer Name:: Quikrete

Manufacturer:: Tigear2

Ratio:: 15:1

Serial#:: 87190271002

Model#:: 20q15h56

Output Speed:: 1750 (RPM)

Priorities Found: ● 4 - High ● 4 - Good

### Gearbox Visual Inspection



1. Date Inspection Performed

09/18/2024

P1



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2. Oil Condition			
Wear	Physical	Contaminants	
<div> <div></div> <div>Bad</div> </div>			
3. Gears:			
Wear	Physical	Contaminants	
<div> <div></div> <div>No visible damage</div> </div>			
4. Seals:			
Wear	Physical	Contaminants	

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<div> <div></div> <div> 1- 40mm/62mm 2-45mm/72mm </div> </div>		
5.	Environmental Conditions	
	Ambient Temperature (F)	Humidity
6.	Physical Issues	
	Signs of Excessive Heat?	Signs of Lubricant Leaks?
7.	Other conditions	
	Gearbox Temperature (F)	Moisture Presence
<b>Gearbox Inspection &amp; Evaluation Checklist</b>		
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)
11.	Type of Coupler:	
12.	Coupling Alignment	
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	(Fail) Unacceptable
20.	Gearbox Oil Level	(Fail) Unacceptable
21.	Gearbox Oil Level [COPY]	(NA)
22.	Type and Grade of Specified Lubricant	
23.	Correct type and grade of specified lubricant	
24.	Appearance of lubricant	(Fail) Unacceptable
25.	Free rotation of shafts	(No) No
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 <i>Needs</i> 1- 40mm/62mm 2-45mm/72mm 1-7306 bearing/with snap ring 3-lm102910 outer Lm102349 inner tapered roller bearings	
31.	Technician Signature	James Valentine