



Gearbox Repair Report



FolderID: 97546
FormID: 9289770

Delta Plastics (11016)
8801 Frazier Pike
Little Rock, AR 72206

Priorities Found: 4 - High 21 - Good

General			
1.	Job Number	97546	
2.	Customer	DELTA PLASTICS LR	
3.	Report Date		
Nameplate Information			
4.	Manufacturer	ZAMBELLO	P1
5.	Horsepower		
6.	Serial #		
7.	Model #		
8.	Input Speed		
9.	Output Speed		
10.	Ratio		
11.	Type		
12.	Coupling Type		
13.	Gearbox Application		
Initial Evaluation			
	14. Oil Wear	(P) Pass	
	15. Oil Physical	(P) Pass	
	16. Oil Contaminants	(P) Pass	
	17. Gear Wear	(P) Pass	
	18. Physical Gear Condition	(P) Pass	
	19. Gear Contamination	(P) Pass	
	20. Bearing Wear	(F) Fail	
	Oil not being supplied to either input shaft bearing		
	21. Bearing Physical Condition	(F) Fail	P21
	Input bearing catastrophic failure		
	22. Bearing Contamination	(P) Pass	
	23. Seal Wear	(P) Pass	
	24. Seal Physical Condition	(P) Pass	
	25. Seal Contamination	(P) Pass	
	26. Environmental Conditions		
	No environmental effects		
	27. Signs of excessive heat	(N) No	
	28. Signs of lubricant leaks	(Y) Yes	
	Input shaft		
	29. Moisture Present	(N) No	
	30. Ambient Temperature		
	31. Humidity		

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32.	Gearbox Temperature		
33.	Primary Drive rotated input shaft in correct direction		
34.	Condition of machinery guards		
35.	Condition of coupling guards		
36.	Type of coupler		
37.	Condition of coupler		
38.	Coupling Alignment	(P) Pass	
	<i>.39 past shaft end</i>		
39.	Condition of housing	(P) Pass	
40.	Condition of mounting hardware		
41.	Breather Vent Installed	(Y) Yes	
42.	Condition of oil piping and connections	(P) Pass	
43.	Condition of switches, alarms, heaters, coolers, or other devices		
44.	Condition of inspection covers		
45.	Condition of seals and bearings		P47
46.	Gearbox Oil Level	(P) Pass	
47.	Gearbox oil type and grade		
48.	Correct type and grade of oil		
49.	Appearance of lubricant		
	<i>Clean</i>		
50.	Shaft rotate freely	(Y) Yes	
51.	Condition of input shaft	(P) Pass	P53
52.	Endplay of input shaft		
	<i>Non adjustable</i>		
53.	Endplay of output shaft		
	<i>Non adjustable</i>		
54.	Condition of output shaft	(P) Pass	P56
55.	Gear backlash set correctly	(NA) Not Applicable	
56.	Gear tooth condition	(P) Pass	
57.	Degree of wear		
58.	Gear tooth contact	(P) Pass	
59.	Type of gear tooth contact		
Comments			
60.	Gearbox Comments		P3
	<i>Input shaft bearing failure likely caused by oil pump not operating properly. Recommend new oil pump</i>		
61.	Service Technician	David Maclin	
			



P1.1



P1.2



P1.3



P1.4



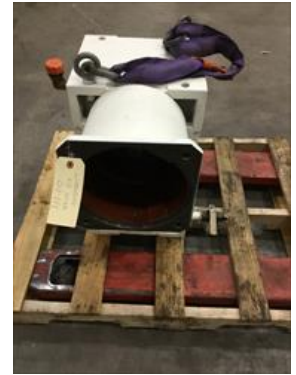
P1.5



P3.6



P3.7



P3.8



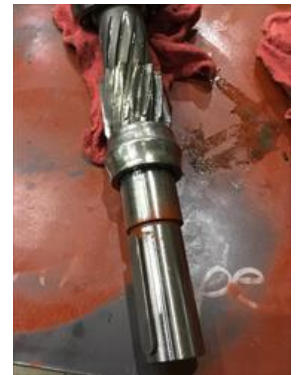
P3.9



P21.10



P47.11



P53.12



P56.13



P56.14



P56.15



P56.16



P56.17



P56.18