



## 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		
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		
<b>Comments</b>			
60.	Gearbox Comments		
	<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



P21.6



P47.7



P53.8



P56.9



P56.10



P56.11



P56.12



P56.13



P56.14