		Mill Gearbox Sei	vice Checklist		
	Technician		Cell#		
	Serial Number		Date		
	Model				
		Gearbox Basic Tr	oubleshooting		
1. What alarms are generated?					
2. M	achine's Software Version				
	2a. For NGC: Has the software been			Yes	No
2b. For CHC: Has Parameter 150 been verified with the correct value? (Ref: AD0188/AD0136)				Yes Yes	No
3a. I	3a. Has the machine been warmed up for ten minutes before operation?				No
3b. Has the gearbox run at 50% max RPM for two hours in high gear and for another two hours in low gear?					No
4. Has the air supply been checked to ensure that needed requirements are met and that there are no leaks?				Yes	No
Gearbox Mechanical Troubleshooting 5. Have the orifices been checked for clogs?				Vaa	Ne
<u>-</u>				Yes Yes	No No
For 40T: Has the sump tank been checked to ensure there is a weep hole and a foam gasket? For 50T: Has the solenoid and orifice been checked to ensure updated parts?					No No
8a. Has the gearbox been inspected?				Yes Yes	No No
	8b. Does the gearbox shift when applying air to it?				No No
	8c. Has the oil level been checked?				No
	8d. Has the gearbox been checked for leaks?				No
9. Is there a dampener (orifice fitting) installed? If so, remove it.				Yes Yes	No
10a. Have the drive belts been checked for wear?				Yes	No
10b. Has the tension of the drive belts been checked? If so, are they within allowed range?				Yes	No
11. l	Have the gears been checked for dam		anowed range.	Yes	No
	tan e ane geans a con chicana a cana	Gearbox Oil Pump	Troubleshooting	100	,,,,
12. Has the P-Tech oil pump been checked to ensure it has been updated?				Yes	No
13a. Has the oil filter been checked?				Yes	No
		reen been checked and cleared of clo	gs?	Yes	No
	13c. Have the oil filter fittings been cl		<u> </u>	Yes	No
14a. Has the oil flow switch been checked?				Yes	No
	14b. Has the oil flow sensor been che	ecked manually to ensure function?		Yes	No
	14c. Has the Valve Style Oil Flow Sensor been checked?				No
	14d. Has continuity across the switch	leads been checked?		Yes	No
	14e. For 50T: Has the oil flow switch been checked for proper location/relocated if needed?				No
15a.	Have the oil-pump motor gears and o	couplers been inspected?		Yes	No
	15b. Has the oil-pump motor been ch	necked to confirm it is receiving power	?	Yes	No
	15c. Have the oil pump gears been in	nspected?		Yes	No
	15d. Has the coupler been inspected	?		Yes	No
16a.	Has the oil pressure switch been checked?			Yes	No
	16b. Has the pressure switch connec	tion been checked to ensure it is clear	n and properly seated?	Yes	No
		re switch been checked with the pump	is running?	Yes	No
17. ł	Has the continuity of the oil-level switc	h been checked?		Yes	No
		Gearbox Electrical	Troubleshooting		
18a.	Have the high/low gear sensors and	solenoid been checked?		Yes	No
	18b. Have the high/low gear sensors	been checked for contamination?		Yes	No
	18c. Has the high/low gear solenoid's	s voltage been checked?		Yes	No
19. For 50T: Has the anti-siphon solenoid been checked?				Yes	No
20. For NGC: Has the solenoid been checked for a delay when commanded? (Ref: AD0594)				Yes	No
21. Have the wye/delta contactors been checked to ensure the terminals are tight?				Yes	
22a. Have the encoder system and its components been checked?					No.
ZZa.	22b. Has the encoder feedback been			Yes	No No
		las the encoder pulley/belt been inspe	acted?	Yes Yes	No No
	22d. Has runout and play been check		olou:	Yes	No
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