

## Non-Contact Encoder Inspection Report

Technician		Cell#	
Serial Number		Date	
Model			
<b>Encoder Manufacturer</b>			
RLS			
Baumer			
1. What Alarm is being generated			
2. When does the alarm occur?			
	Power on	Spindle Start Up	Specific RPM                      RPM
3. Is the Alarm resettable?			
	Yes	No	
4. Other - Describe the issue:			

### Mandatory Troubleshooting

5. Is a Ferrite filter installed on the encoder cable at the Processor end?	Yes	No			
6. Is the encoder cable properly seated on the processor PCB?	Yes	No			
7. Is the encoder cable routed away from the power cable 650 and 650A	Yes	No			
8. Has the ground cable been inspected and firmly secured at the reader head mounting plate?	Yes	No			
9. Inspect the encoder ring, is the contamination on the face of the ring, if so has it been cleaned?	Yes	No			
10. Is there physical damage on the rings face and/or readers head sensing face?	Yes	No			
11. <b>Lathes:</b> Has the Belt tension been verified? Record the value.	Yes	No	Main	lb	Sub      lb
12. What is the readhead to ring gap?	Yes	No	Gap	Inch	
13. Is there a 0.02" Shim present?	Yes	No			
14. What is the axial alignment measurement?	Yes	No			
15. Are ferrite filters installed on the Vector Drive output and REGEN cable?	Yes	No			
16. The drive should have one ferrite filter on its output cables. If there are three, then replace them with one. Is the machine now working correctly?	Yes	No			
17. The green ground cable on the output of the drive should not be routed in the ferrite. If it is, take it out of the ferrite. Is the machine now working correctly?	Yes	No			
18. For Alarm 4.103, did you inspect the D-Y contactor assembly and place your findings in the Notes section?	Yes	No			
19. For Alarm 4.153, did you check the ring's magnetic lines using the magnetic field viewer and place your findings in the Notes section?	Yes	No			
20. Did you inspect the cable and connector at the read head and place your findings in the Notes section?	Yes	No			
21. Did you clean the pins with WD40 and add dielectric grease to the connector?	Yes	No			
22. Is there continuity between the readhead connector to the case?	Yes	No			
23. Did you add a star washer to the connector between the jam nut and the case?	Yes	No			
24. Is there continuity between the cable connector and case after adding the washer?	Yes	No			

### Notes/Observations:

Attach this report, an error report, and any relevant documentation to a service notification in the Haas Service App.