

APPENDIX 8: LOESCHE MILLS

TASK: ROLLER ASSEMBLY REPLACEMENT

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PURPOSE

This work instruction is drawn up to renew a Roller Assembly on the Loesche Mill.

5.1 RISK ASSESSMENT, HEALTH AND SAFETY PRECAUTIONS & HAZARDS

SERVICE ACTIONS

NOTE: Ensure that you are familiar with the risk assessment, health and safety precautions and hazards as well as the isolations pertaining to this instruction before attempting any of the following:

1. Remove roller assembly cover by loosening all bolts except two in top of cover, until ready to lift same with mobile crane.
2. Remove labyrinth screws both side of rocker and take care not to damage the gasket.
3. From the inside of the mill remove the front liner.
4. Remove rocker arm cone pin assemblies. (6 of)
5. Loosen and remove M42 main bolts.
6. Remove seal air pipe (goose neck) only on left hand side of rocker.
7. Install swing out device into position and prepare to swing roller out.
8. Swing roller out till roller is in the vertical position.
9. Loosen T-Head bolts and by using tyre lifting clamp, lift the tyre of.
10. Remove three bolts and washers on taper lock bush and by using the bolts jack off the bush in tapped holes provided.
11. Use "T-Head eye bolts" and lift roller out.
12. Clean all equipment and bolts using paraffin.
13. Fit new roller assembly.
14. Fit taper lock and tighten bolts. **Torque to 900NM.** (NB: Renew the bolts and spring washers fit locking wires) –welders-. (Only use 1½" drive impact wrench)
15. Fit tyre onto roller using tyre lifting clamp.
16. Fit all T-Head bolts and tighten in the right manner.
17. Weld locking wires on nuts of T-Head bolts.
18. Swing roller in position till hub and fork holes line up.
19. Insert the expanding sleeve/taper pin units into hub and fork hole.
20. Tighten all connecting bolts. (M42 main bolts).
21. Tighten expanding sleeve/taper pin units.
22. Set the buffer stop correct.
23. Fit new gasket on rocker covers and replace rocker cover.

WITNESS POINT:

Mill specialist	Signature	Date

Notification No:

- 1. Why was the roller changed.....
- 2. What was the condition of the sealing and sliding rings?.....
- 3. How many hours was done by the roller?.....

SPARES USED

STOCK NUMBER:	DESCRIPTION	USED