



MECHANICAL SOP

Issue No. 01	Rev. No: 02	Effective Date: 17.10.2017	SOP/MEC/44
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Issued By: M.R	Approved By: HOD-Mechanical.
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S O P FOR GIRTH GEAR GREASE SPRAY FAULT

Scope: Trouble shooting for girth gear grease spray fault/ alarm.

Responsibility: Engineer/SH

PPE:

1. Safety helmet,
2. Safety shoe,
3. Mask,
4. Safety goggles
5. Gloves

TOOLS:

1. spanner set
2. screw driver

Hazard Analysis:

Risks associated:

Grease Contact with body

Mitigating Measures

Use of hand gloves/apron

Procedure:

- 1 . If grease spray fault alarm comes, then note the fault alarm.
- 2 . Reset the fault alarm.
- 3 . Start it once again and check the pressure gauge, if it increases more than 35 to 40 then there is a chance of grease flow obstacle.
- 4 . Check the grease filter(strainer)near the girth gear.
- 5 . Restart once again and find which nozzle does not spray.
- 6 . Close the compressor air line and then open the grease pipe line from distributor (the line of the doubted nozzle).
- 7 . Then open the compressor line and restart, check the grease flow from the distributor.
- 8 . If grease is of normal flow the culprit is the particular nozzle. It is because if one nozzle got jam, the distributor will get jam and the pressure starts to increase from 45 till 90.



DALMIA CEMENT (B) LIMITED – Ariyalur



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- 9 . Change the nozzle by closing the compressor air line and the sensor near nozzle.
- 10 . After changing run the circuit and check the particular nozzle for flow.
- 11 . Ever the spray pattern can be checked by lifting the inspection door and by keeping a thin plate on the grease.

Emergency / Emergency Shut OFF:

If any injury takes place, provide First aid and inform to the Safety department or Call Emergency number 3108/9865152222.

Records/Annexure:

Refer LOTO standards/permit & JSA is enclosed below.

LOTO: Not applicable.

JOB SAFETY ANALYSIS :(JSA)

Job Safety Analysis	Job: Trouble shooting for girth gear grease spray fault/ alarm	Date: 01/09/2014	Analysis by: Section Engineer	Analysis by: Section Engineer
Title of employee doing job : Section engineer	Supervisor: Section Engineer	Department: Mech	Section: Pyro	Approved by: HOD-Mechanical

Sl.No	Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What could go wrong	Corrective Action
1	Cleaning of nozzles / stainer	Occupational Illness	Toolbox talk	Skin contact may cause infection	Usage of hand gloves
2	Checking of grease spray	injury	Open the guard and check the grease spray from outside the circuit	Work with moving machine may cause injury	Toolbox talk before job