



DALMIA CEMENT (B) LIMITED – ARIYALUR



MECHANICAL

Issue No. 02	Rev. No: 00	Effective Date: 01.11.2019	SOP/MEC/177
Issued By: M.R		Approved By: HOD-Mechanical	
SOP-COAL AND ADDITIVE STACKER HYDRAULIC CYLINDER CHANGING			

Scope: COAL AND ADDITIVE STACKER HYDRAULIC CYLINDER CHANGING

Responsibility: Section Engineer

Accountability: Mechanical-Section In charge

PPE:

1. Safety helmet.
2. Safety shoe.
3. Hand gloves.
4. Nose Mask.
5. Safety goggles.

TOOLS:

1. Box spanner set.
2. Ring spanner set.
3. Hammer.

Hazard Analysis:

Risks associated: : **Mitigating Measures**

Body injury : **Safe and health tools and tackles**

Cut injury : **Safe and health tools and tackles**



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SOP FOR COAL AND ADDITIVE STACKER HYDRAULIC CYLINDER CHANGING

1. Take the line clearance with LOTO system
2. The work permit and line clearance paper should be with the person who is working in the site.
3. Ensure cleanliness of the equipment before taking the job
4. Use proper personal protective equipment's
5. Ensure proper tools and tackles
6. Check the condition of cylinder and Visual inspection
7. Check the boom belt counter weight support and locking work
8. Check the disconnect the hydraulic hoses
9. Check the hydraulic cylinder holding by the chain block
10. The hydraulic cylinder Top and bottom pin removal
11. The New hydraulic cylinder Top and bottom pin fitting work
12. The hydraulic hoses connecting work.
13. The boom belt counter weight support and lock removal work
14. The hydraulic oil level checking and oil top up work.
15. Clear the work permit and Line clearance and take trial.



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Emergency / Emergency Shut OFF:

1. If body injury is there, First aid will be given and inform to the Safety department or Call Emergency number 3108/9865152222

Records/Annexure:

1. REFER COAL AND ADDITIVE STACKER HYDRAULIC CYLINDER CHANGING
2. JSA is enclosed below.

Emergency / Emergency Shut OFF:

SL No	Activity			Isolation Matrix for Utility & General Equipment.							
				Isolation Type							
				Electrical Energy				Other Energy			
1	Coal and Additive stacker	Name and Tag for the Equipment	Drive for the Equipment								



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Job Safety Analysis	Job:	Date: 15.03.2016	Analysis by: Section Engineer	Reviewed by : Section Head
Title of employee doing job: Engineer	Supervisor: Section IN charge	Department: Mechanical.	Section: RMH	Approved by: HOD Mech.
Req'd/recommended PPE:				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Removal of locking pint while Changing the hydraulic cylinder	Body injury	Use proper spanners only to avoid slip	Spanners may slip and chance to fall	Use correct size and condition of spanner
Removing the old hydraulic cylinder	Eye irritation	Use goggles to avoid the dust entry	Due to coal and additive material, chance of more fine dust particles	Use Correct PPE'S
Fixing the locking pin while Changing the Hydraulic cylinder	Body injury	Use proper spanners only to avoid slip	Spanners may slip and chance to fall	Use correct size and condition of spanner