



HIGHER EDUCATION SCIENCE AND TECHNOLOGY



Internship Logbook

Student Name: Mukulu Kisa Ronald

Month: Two (July 2017)

Week	Target	Achievements	Challenges	Lessons Learnt
Week 1	<ul style="list-style-type: none"> -To conduct the blow moulder preventive maintenance checks. -To clean the cap chute and hoper. -To inspect the blow moulder safety devices. 	<ul style="list-style-type: none"> -Inspected the pressure vessel function, condition and pressure resistance of the blow moulder. -Checked for dirt, damage and proper operation; and the machine were fit to run. -Ensured that all safety devices are fitted to operate optimally. -Checked the signaling warning devices i.e. signal beacon post; guards i.e. guard doors and protective covers. -Placed legible and vivid signs I.e. prohibitive, warning and instruction signs. -Documented the machine status. 	<ul style="list-style-type: none"> - Financial constraints in terms of transportation to and fro the plant. -Limited size of final report attachment, limiting a detailed operation description. 	<ul style="list-style-type: none"> -Acquainted with the blow moulder operation. -Acquainted with the basic principles, types and operation of safety devices.
Week 2	<ul style="list-style-type: none"> - Conduct quarterly preventive maintenance checks on the contiform main machine. -Inspect for any mechanical damages on the machine. 	<ul style="list-style-type: none"> - Affirmed secure mounting of the air piping, lubrication piping, and energy chain. -Replaced damaged cables and leaking hose pipes for the coolant. -Inspected the maintenance unit and the gear motors for leaks as well as the oil level. -Inspected for unusual noises from the machine for example squealing bearings, knocking chains, crashing of parts, and smooth running of bearings as well as wear of plastic components. 	<ul style="list-style-type: none"> - Several clogged greasing nipples that needed unblocking. -Faulty photo electric sensors 	<ul style="list-style-type: none"> - Got acquainted with the recommended lubrication procedure for hi-tech machinery.

		<p>-Cleaned the entire machine preventing direct spray of water on to the sensors, inductive switches, drives and bearings. After intensive machine cleaning, re-lubricated the grease fittings that water had penetrated through, removing excess grease from the grease nipples. Then wiped the photo electric sensors with a soft cloth and finally checked for their functionality.</p>		
Week 3	-To conduct a weekly preventive maintenance at the filler (PET-Line.5).	<p>-Depressurized and cleaned the sterile filter housing. -Replaced the filter mats in the control cabinet.</p> <p>-Cleaned the metal filters, observing the necessary safety measures.</p> <p>-Cleaned the P.E sensors with aid of a soft, lint free cloth, warm water and a neutral cleaning agent.</p>	-Constrained by the assigned maintenance duration.	-Acquainted with the sterilizer operation.
Week 4	- To conduct preventive maintenance checks on the flow liner.	<p>- Lubricated the lifting unit of the runner blocks taking note of the maximum permissible lubrication quantity as too much lubricant damages the runner blocks.</p> <p>-Re-lubricated the runner block liner unit with a manual grease gun to approximately 2cm³ per grease fitting.</p> <p>-Inspected the connections and lines of the central lubrication system following the criteria below;</p> <ul style="list-style-type: none"> ▪ The lubrication cycle must be run through without any trouble until the end. 	- Missing grease nipples and damaged fittings.	- Acknowledged the lubrication procedure of the flow liner machine components.

		<ul style="list-style-type: none">▪ The connections must not leak. The inspection must be conducted during lubrication.	
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Supervisors comment

Mukulu Kisa Ronald is an enthusiastic and self-driven student.

Signature:



Lukooya Ishmeal

