

Pneumatic Tyre Moulding - Theory

NOS	PC	Difficulty Level	Question Text	Answer Choice 1	Answer Choice 2	Answer Choice 3	Answer Choice 4
RSC/ N1101	PC1.	Easy	What does clean press mean?	No foreign materials in the press area	No noise in the press room	Green tyre has some grease spots	No grease or foreign matter in the moulds
RSC/ N1101	PC3	Medium	Which of the following is most appropriate for selecting the correct mould?	Same tyre size marking on both top and bottom halves	Safety markings on top and bottom halves	Same mould piece number on top and bottom halves	Match the tread design on top and bottom halves
RSC/ N1101	P.C 6	Difficult	What does "warm up the press" mean?	Mould should be warm	Pressure gauge should be operational	Temperature should be 100 degree Celsius	Dome/platen temperature should be as per SOP
RSC/ N1102	PC 1	Easy	Visual inspection is done to ensure _____.	Thread area is free of FM	Tyre is painted outside and inside	Tyre is painted inside /outside and free of FM	Tyre is painted and excess paint deposit is considered OK
RSC/ N1102	PC3.	Medium	An efficient moulding operator will check _____.	Availability of OK green tyres for moulding	Availability of green tyre	That all tyres are well painted	That all tyres have builder numbers
RSC/ N1102	PC4	Easy	An efficient moulding operator will check green tyre for _____.	Code	Code, inside and outside painting	Inside and outside painting	Size (by diameter tape)
RSC/ N1103	PC3	Difficult	Which of the following is the correct method for applying PCI?	As the press opens, remove the tyre and ensure it is placed within 5 minutes on PCI ring and air pressure is switched on. Keep the tyre inflated as per SOP.	As the press opens, remove the tyre and ensure it is placed after 30 minutes on PCI ring and air pressure is switched on. Keep the tyre inflated for 2 cure cycles.	As the press opens, remove the tyre and ensure it is placed within 5 minutes on PCI and 100 PSI air pressure is switched on. Keep the tyre inflated for 2 cure cycles.	As the press opens, remove the tyre and allow it to cool. Once it is cold place it on PCI ring and inflate as per SOP for specified time.
RSC/ N1103	PC5	Medium	Which of the following is true regarding trimming vents on all tyres?	Trim only the tread area vents	Trim only sidewall vents	Trim as per SOP	Trim only if supervisor instructs
RSC/ N5001	PC1	Easy	In the venting area solvent based cement has spilled. Which of the following should one follow?	Wash the area with enough water and flush in drain	Sprinkle enough saw dust, scrape the soaked saw dust and place in hazardous waste bin	Wash with solvent naphtha and flush in drain	Allow it to dry

Pneumatic Tyre Moulding - Practical cum Viva

S.no	NOS	PC	Question	Rubrics	Equipment
1	RSC/ N1101	PC2	An operator uses the pressurised air hose to remove FM before every green tyre loading.	Is the operator correct in using the air pressure hose before loading green tyre? What is the correct method? Is the operator following standard procedure? Demonstrate the procedure.	
2	RSC/ N1101	PC4	Using his strong memory, an operator sets the press timer and pressure for curing.	Is the operator following standard procedure? Demonstrate the procedure.	
3	RSC/ N1101	PC6	An operator allows the press to warm up and starts loading green tyres once temperature reaches as per SOP.	Is the operator delaying the production? What is the SOP requirement in this situation?	
4	RSC/ N1102	PC18	An operator uses the Hydraulic crane to lift the tyre out of mold and uses hand gloves to avoid skin contact.	Is he following the SOP? Demonstrate method of tyre extraction.	
5	RSC/ N1102	PC19	An operator uses a crow bar to extract a tyre from the press, protects self from burns but damages the tyre bead.	Is he following the SOP? Show the correct method.	
6	RSC/ N1102	PC21	The supervisor doesn't allow the operator to do curing job until he gets the gloves on.	Is the supervisor correct in stopping the operator from moulding? Explain reasons.	
7	RSC/ N1103	PC2	During auto open cycle of the press, it is noticed that the tyre bead is badly stuck on the bladders.	What will you do in such a situation?	

8	RSC/ N1103	PC15	An operator finishes his schedule of curing 10 tyres and realises that he has 5 more green tyres left which he decides to cure.	Is he following SOP? Explain method to be followed.	
9	RSC/ N1103	PC17	As the operator is preparing to extract the tyre from mould, he notices the helper is moving the tray with his bare hands. Operator scold him and sends him away from work station.	Was his action correct? Explain what should be done.	