Kentucky CTE

Industrial Maintenance Technology: Basic Troubleshooting

Practice and perform safe shop procedures at all times. BT1	1 Practice and perform safe shop procedures at all times. BT1
Apply the technical math required for employment opportunities in maintenance. BT2	2 Apply the technical math required for employment opportunities in maintenance. BT2
Perform all duties with emphasis on BT3	a integrity BT3A
	b responsibility BT3B
	c quality BT3C
	d discipline BT3D
	e teamwork BT3E
Explain the reason efficient troubleshooting is important in a production plant. BT4	4 Explain the reason efficient troubleshooting is important in a production plant. BT4
List the steps in troubleshooting a machine/system. BT5	5 List the steps in troubleshooting a machine/system. BT5
Demonstrate good communication skills wh pe	6 Demonstrate good communication skills when dealing with plant personnel. BT6

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List the questions that should be asked when a machine/system fails. BT7	7 List the questions that should be asked when a machine/system fails. BT7
List the signs of a machine in need of service. BT8	8 List the signs of a machine in need of service. BT8
List the information that should be recorded in a machine equipment record. BT9	9 List the information that should be recorded in a machine equipment record. BT9
Identify calibration standards. BT10	10 Identify calibration standards. BT10
Identify different troubleshooting test equipment. BT11	11 Identify different troubleshooting test equipment. BT11
Use schematics when troubleshooting. BT12	12 Use schematics when troubleshooting. BT12
Identify differences in schematics when troubleshooting. BT13	13 Identify differences in schematics when troubleshooting. BT13
Use a troubleshooting chart. BT14	14 Use a troubleshooting chart. BT14
Identify bearing wear problems. BT15	15 Identify bearing wear problems. BT15
Identify pump failure problems and solutions. BT16	16 Identify pump failure problems and solutions. BT16
Identify types of hosing. BT17	17 Identify types of hosing. BT17
Identify current voltage characteristics of wi	18 Identify current voltage characteristics of wire. BT18

Apply all safety rules when working with electrical equipment. BT19	**19** **Apply all safety rules when working with electrical equipment.** BT19
Identify a pictorial diagram, blocking diagram, and schematic diagram. BT20	**20** **Identify a pictorial diagram, blocking diagram, and schematic diagram.** BT20
Demonstrate how to troubleshoot an electrical problem. BT21	**21** **Demonstrate how to troubleshoot an electrical problem.** BT21
List preventive maintenance procedures. BT22	**22** **List preventive maintenance procedures.** BT22