

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 when dealing with plant personnel. **BT6**

6 Demonstrate good communication skills when dealing with plant personnel. **BT6**

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 wire. **BT18**

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