

# Industrial Maintenance Technology: Basic Troubleshooting

Practice and perform safe shop procedures at all times. **BT1**

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**1** Practice and perform safe shop procedures at all times. **BT1**

Apply the technical math required for employment opportunities in maintenance. **BT2**

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**2** Apply the technical math required for employment opportunities in maintenance. **BT2**

Perform all duties with emphasis on **BT3**

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**a** integrity **BT3A**

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**b** responsibility **BT3B**

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**c** quality **BT3C**

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**d** discipline **BT3D**

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**e** teamwork **BT3E**

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Explain the reason efficient troubleshooting is important in a production plant. **BT4**

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**4** Explain the reason efficient troubleshooting is important in a production plant. **BT4**

List the steps in troubleshooting a machine/system. **BT5**

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**5** List the steps in troubleshooting a machine/system. **BT5**

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

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

List the questions that should be asked when a machine/system fails. **BT7**

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**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**

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**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**

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**9** List the information that should be recorded in a machine equipment record. **BT9**

Identify calibration standards. **BT10**

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**10** Identify calibration standards. **BT10**

Identify different troubleshooting test equipment. **BT11**

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**11** Identify different troubleshooting test equipment. **BT11**

Use schematics when troubleshooting. **BT12**

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**12** Use schematics when troubleshooting. **BT12**

Identify differences in schematics when troubleshooting. **BT13**

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**13** Identify differences in schematics when troubleshooting. **BT13**

Use a troubleshooting chart. **BT14**

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**14** Use a troubleshooting chart. **BT14**

Identify bearing wear problems. **BT15**

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**15** Identify bearing wear problems. **BT15**

Identify pump failure problems and solutions. **BT16**

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**16** Identify pump failure problems and solutions. **BT16**

Identify types of hosing. **BT17**

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**17** Identify types of hosing. **BT17**

Identify current voltage characteristics of wire. **BT18**

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**18** Identify current voltage characteristics of wire. **BT18**

**Apply all safety rules when working with electrical equipment. BT19**

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**19 Apply all safety rules when working with electrical equipment. BT19**

**Identify a pictorial diagram, blocking diagram, and schematic diagram. BT20**

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**20 Identify a pictorial diagram, blocking diagram, and schematic diagram. BT20**

**Demonstrate how to troubleshoot an electrical problem. BT21**

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**21 Demonstrate how to troubleshoot an electrical problem. BT21**

**List preventive maintenance procedures. BT22**

**22 List preventive maintenance procedures. BT22**