

- | | <u>POINTS</u> |
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| 1. What is the purpose of a pressure relief valve? | <u>25</u> |
| 2. What is the purpose of a pilot valve? | <u>25</u> |
| 3. The purpose of the pressure governor is to: | <u>25</u> |
| 4. List two (2) causes of excess pressure within the pump. | <u>25</u> |

POINTS POSSIBLE: 100

POINTS DEDUCTED:

FINAL SCORE:

POINTS

1. What is the purpose of a pressure relief valve? 25

**TO SENSE EXCESS PRESSURE BUILD-UP ON DISCHARGE
SIDE OF PUMP AND SHUNT IT TO SUCTION SIDE OF PUMP.**

2. What is the purpose of a pilot valve? 25

**SENSES PRESSURE DIFFERENTIAL IN PRESSURE CHAMBER
AND ACTIVATES THE PRESSURE RELIEF VALVE.**

3. The purpose of the pressure governor is to: 25

**CONTROL EXCESS PRESSURE BY SLOWING ENGINE RPM'S,
WHICH IN TURN SLOWS IMPELLER SPEED AND REDUCES
PRESSURE.**

4. List two (2) causes of excess pressure within the pump. 25

OPERATOR ERROR

MECHANICAL FAILURE

**INCREASE IN PRESSURIZATION OF WATER SUPPLY SYSTEM
RAPID SHUT DOWN OF OTHER DISCHARGE HOSELINES**

POINTS POSSIBLE: 100

POINTS DEDUCTED:

FINAL SCORE: