

# QUALITY WORK INSTRUCTIONS (QWI)

## CALIBRATION PROCEDURE

### RPM INDICATOR

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#### 1.0 SUMMARY

Used to indicate the Fluid Plant pump speed (output).

#### 2.0 PROCEDURE

1. Disconnect electrical power by turning off breaker and locking out.
2. Remove coupling between output shaft of gear reducer and pump.
3. Place reflective strip on output shaft of gear reducer.
4. Turn power back on.
5. Turn on pump drive unit. Unit will vamp up to set speed in approximately 1 minute.
6. Check reading on the RPM indicator.
7. Using the Master RPM indicator, hold in line about 2" from reflective tape and press button on unit. Hold button in for approximately 1 minute.
8. Compare readings on each RPM indicator. Record results on Internal Calibration Chart (Form 29).
9. Readings should be within the tolerance range of +/- 5 RPMs of each other.
10. If units are within +/- 5 RPMs tolerance range, calibration is not complete. Do not continue with the steps below.
11. If units are not within +/- 5 RPMs tolerance range, calibration is not complete. Send unit out to an external source for repair.