

## GAMMON GAUGE GTP-534 SERIES OPERATIONAL CHECK AND CALIBRATION CERTIFICATE

Unlike common pressure gauges, Gammon Gauges do not require periodic bench/laboratory calibration. A complete test of the Gammon Gauge consists of the following steps. If all steps are conducted with the correct results, the gauge is calibrated. To perform this test in accordance with API-1581, the underside of the piston must be vented while blocking pressure from the downstream side of the filter vessel. A 3-way valve, GTP-2305, can be installed. Alternatively, GTP-534V gauges have an integral 3-way valve with a handle or GTP-534PB has a push button 3 way valve.

1. With no flow in the system, read the gauge; it should read within the zero band.
2. Establish full system flow. The gauge should read a differential pressure greater than zero.
3. Actuate the test valve on the bottom of the gauge to vent the underside of the piston. The piston should move to the bottom of its travel smoothly without evidence of sticking as it moves. Be prepared to collect approximately 50 ml of fuel from the outlet of the 3-way valve. Return the test valve to the normal position.
4. Stop system flow. The piston should move back to a position within the zero band. Accuracy of the gauge is within  $\pm 0.5$  psi if the piston returns to the zero band.

**NOTE: If the piston moves erratically and/or it does not return to zero, disassemble and clean the piston and glass tube with jet fuel and Scotch-Brite. Refer to Installation and Maintenance Bulletin, for instructions.**

5. Repeat the test after cleaning and reassembly. If the piston still will not return to zero, the spring must be replaced.

### TEST CONFIRMATION

Steps 1-5 above were successfully performed on gauge/filter/vehicle# \_\_\_\_\_ DATE \_\_\_\_\_

TEST PERFORMED BY \_\_\_\_\_ Sign here \_\_\_\_\_

Company Name \_\_\_\_\_ Location \_\_\_\_\_

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FORM# GGTC2-09/03

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