

OPERATION PROCEDURES

Veeder-Root 300/350

LAST PERIODIC 0.2 or 0.1 GPH TANK TEST PASSED (not TANK ALARM HISTORY)

- Press **MODE** key until "Diagnostic" is displayed
- Press **FUNCTION** key until "In Tank Leak Test Results" is displayed
- Press **STEP** key until first tank (typically "T-1") is displayed
- Press **STEP** key until "Print Leak History" is displayed, look for "PERIODIC TEST PASSED" (this is the 0.2 gph monthly test) AND DATE. Must be within the last 30 days.
- Press **PRINT**
- Press **TANK/SENSOR** key to select next tank
- Press **PRINT** for each tank

CONSOLE ALARM HISTORY MENU

- Press **MODE** key until "Diagnostic" is displayed
- Press **FUNCTION** key until "Alarm History Report" is displayed
- Pressing the **STEP** key will navigate you through the entire alarm history archive

IN-TANK ALARM HISTORY

- Press **STEP** key until first tank (typically "T-1") is displayed
- Press **PRINT**, only the three most recent alarms, per alarm type, are in archive
- Press **TANK/SENSOR** key to select next tank
- Press **PRINT** for each tank you need to check

STANDARD LIQUID SENSOR ALARM HISTORY

- Press **STEP** key until first Liquid Sensor (typically "L-1") is displayed
- Press **PRINT**, only the three most recent alarms, per alarm type, are in archive
- Press **TANK/SENSOR** key to select next sensor
- Press **PRINT** for each Liquid Sensor you need to check

OTHER LIQUID SENSOR ALARM HISTORY (will appear in menu if present)

- Press **STEP** key until first other type Sensor (typically "C-1 or H-1") is displayed
- Press **PRINT**, only the three most recent alarms, per alarm type, are in archive
- Press **TANK/SENSOR** key to select next other sensor
- Press **PRINT** for each other you need to check

PLLD or WPLLD ALARM HISTORY

- Press **MODE** key until "Diagnostic" is displayed
- Press **FUNCTION** key until "Alarm History" is displayed
- Press **STEP** key until the 1st line ("Q1 or W1") is displayed
- Press **PRINT**
- Press **TANK/SENSOR** key to select next product line
- Press **PRINT** for each product line you need to check

PLLD or WPLLD TEST HISTORY

Press **FUNCTION** key until “Pressure Line Results” is displayed
Press **STEP** key until “Q1 PLLD 1” is displayed (for PLLD)
Press **STEP** key until “W1 WPLLD” is displayed (for WPLLD)
Press **PRINT**
Press **TANK/SENSOR** key to select next product line
Press **PRINT** for each product line

HIGH LEVEL ALARM TEST (from console)

Press **FUNCTION** key until “Test Output Relays” is displayed
Press **STEP** key
Press “1” key
Press **ENTER** key
Press **ALARM TEST** key, alarm should sound, printout shows relay name & programmed alarms
NOTE: You may need to enter relay 2, 3 or 4 (or 5 -8) to sound alarm (contractors don't always use relay 1)

OUTPUT RELAY VERIFICATION

Press **MODE** key to display “Set Up” NOTE: a password may be required
Press **FUNCTION** key until “Output Relay” is displayed
Press **STEP** key until “Relay Config – Module 1- Slot #: XXXX” is displayed
Press **PRINT** to obtain a tape for your records and to show which alarm(s) is assigned to which output relay. All XXXXs indicated no relays are configured therefore an alarm will not be activated.

VERIFY OVERFILL LEVEL (High Level Alarm)

Press **MODE** key until “Set Up” is displayed
Press **PRINT**
Review print-out for “In-Tank” setup value setting for “Overfill Limit” for each Tank in use.
The setting should be no more than 90% as per Veeder Root programming guide directions.

LAST DELIVERY

Press **FUNCTION** key until “In Tank Inventory” is displayed
Press **STEP** key until “Delivery” is displayed
Press **PRINT** to show date, time & gallons
Press **TANK/SENSOR** key to select next tank
Press **PRINT** for each tank

TEST OF EXTERNAL OVERFILL ALARM PROCEDURE

Step #1 PUSH **MENU KEY** ON CONSOLE TO READ “NEW OPTION”

Step #2 PUSH **SET UP KEY** ON CONSOLE TO READ “SETUP MENU”

Step #3 UTILIZE **UP/DOWN KEY** AND SCROLL UNTIL “RELAYS”

Step #4 ACTIVATE RELAY, CONSOLE WILL THEN READ “RELAY 1” OR “RELAY 2”

Step #5 TRY “RELAY 1” FIRST, IF BLANK, THEN TRY “RELAY 2”. CONSOLE WILL READ “TIME OUT”, “OUTPUT GROUPS”, “TEST”

Step #6 ACTIVATE TEST, EXTERNAL ALARM SHOULD FUNCTION. HIT ANY KEY TO SHUT OFF TEST AT CONSOLE. THEN USE OUTSIDE “ACKNOWLEDGE” BUTTON TO SHUT OFF HORN/LIGHT

Step #7 HIT “CANCEL” KEY UNTIL YOU READ “EXIT” IN SETUP MENU, THEN CONSOLE WILL BE BACK IN ORIGINAL MODE

VERIFY PROGRAMMED RELAYS FOR OVERFILL PROTECTION

Step #1 PRESS “REPORT” KEY, THEN “DOWN” KEY TO SCROLL DOWN ON DISPLAY TO “SELECT REPORT GROUP”, THEN FIND “SETUP”

Step #2 PRESS “SETUP” WHEN DISPLAY SHOWS “SETUP”

Step #3 PRESS THE KEY UNDER “SYSTEM” ON DISPLAY

Step #4 THIS WILL PRINT ALL TANK SYSTEM SETUP REPORTS EACH TANK WILL HAVE HIGH LIMIT W/ STICK HEIGHT FOR 90 INCHES UNDER THIS IS HIGH LIMIT (OUTPUT GROUP) I.E.: A OR B OR C ETC. THEN LOOK AT RELAY SETUP OUTPUT GROUP FIRST LINE IS “A THROUGH P”, EACH DASH IS A LETTER. I.E.: X--IS A -X--IS B --X-IS C, SO ON IF HIGH LIMIT OUTPUT GROUP IS B, THEN THE SECOND DASH (-Y-) IS FOR RELAY OUTPUT GROUP. THIS IS A CORRECT SETUP.

NOTE: WHEN IN “SETUP” DO NOT PUSH ANY OTHER KEYS BECAUSE YOU WILL CHANGE THE PROGRAM.

REMEMBER THERE ARE TWO RELAYS IN THE TS-1001 CONSOLES.....CHECK BOTH RELAYS FOR THE OUTPUT GROUP.