



APPENDIX C-9 MECHANICAL & ELECTRONIC LINE LEAK DETECTORS PERFORMANCE TESTS

TEST DATE: 8/30/2023
LOCATION NAME: Snappy Food Mart
LOCATION ADDRESS: 53031 State Road 13
LOCATION CITY/STATE: Middlebury, IN 46540
LOCATION PHONE: 0
LOCATION CONTACT: Virendar Kumar

OWNER NAME: Tanks Data
OWNER ADDRESS: 53031 State Road 13
OWNER CITY/STATE/ZIP: Middlebury, IN 46540
LOCATION FID#: 19871
WORK ORDER NO: NE-0551

This data sheet can be used to test mechanical line leak detectors (MLLD) and electronic line leak detectors (ELLD) with submersible

Line Number	1	2	3			
Product Stored	RUL	PUL	DSL			
Leak Detector Manufacturer	RED JACKET	RED JACKET	RED JACKET			
Leak Detector Model	PISTON	PISTON	PISTON			
Type of Leak Detector	MLLD	MLLD	MLLD			

MLLD (ALL PRESSURE MEASUREMENTS ARE MADE IN PSIG)

STP Full Operating Pressure	32	28	30			
Check Valve Holding Pressure	20	22	25			
Line Resiliency (ml) (line bleed back volume as measured from check valve holding pressure to 0 PSIG)	189ML	189ML	189ML			
Step Through Time in Seconds (time the MLLD hesitates at metering pressure before going to full operating pressure as measured from 0 PSIG with no leak induced on the line)	2	3	3			
Metering Pressure (STP pressure when simulated leak rate 3 gph at 10 psig)	12	12	15			
Opening Time in Seconds (the time the MLLD opens to allow full pressure after simulated leak is stopped)	2	3	3			
Does the STP pressure remain at or below the metering pressure for at least 60 seconds when the simulated leak is induced?	YES	YES	YES			
Does the leak detector reset (trip) when the line pressure is bled off to zero psig?	YES	YES	YES			
Does the STP properly cycle on/off under normal fuel system operation conditions?	YES	YES	YES			

A "No" answer to either of the above questions indicates the MLLD fails the test

MLLD TEST RESULTS	PASS	PASS	PASS			
--------------------------	------	------	------	--	--	--

ELLD (ALL PRESSURE MEASUREMENTS ARE MADE IN PSIG)

STP Full Operating Pressure						
How many test cycles are observed before alarm/shutdown occurs?						
Does the simulated leak cause an alarm?						

A "No" answer to the above question indicates the ELLD fails the test.

Does the simulated leak cause an STP shutdown?						
--	--	--	--	--	--	--

ELLD TEST RESULTS						
--------------------------	--	--	--	--	--	--

COMMENTS:

0

SERVICE TECHNICIAN NAME (printed)

ADAM WILDER

CERTIFIED TECHNICIAN NAME (printed)

SERVICE TECHNICIAN SIGNATURE

CERTIFIED TECHNICIAN SIGNATURE

CERT NO: UC112310

EXPIRATION DATE: 1/23/2025