



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

TEST DATE: 10/10/2023
LOCATION NAME: Conoco Elkhart
LOCATION ADDRESS: 1245 S Main Street
LOCATION CITY/STATE: Elkhart, IN 46516
LOCATION PHONE: 317-645-0215
LOCATION CONTACT: Tanks Data/Virendar Kumar

OWNER NAME: Singh Brothers Petroleum
OWNER ADDRESS: 1245 S Main Street
OWNER CITY/STATE/ZIP: Elkhart, IN 46516
LOCATION FID#: 01633
WORK ORDER NO: NE-0755

This data sheet can be used to test mechanical line leak detectors (MLLD) and electronic line leak detectors (ELLD) with						
Line Number	1	2	3			
Product Stored	RUL	DSL	PUL			
Leak Detector Manufacturer	VEEDER-ROOT	VEEDER-ROOT	FEPETRO			
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	22	24	20			
Check Valve Holding Pressure	18	18	0			
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)	1	3	0			
Metering Pressure (STP pressure when simulated leak rate 3 gph at 10 psig)	3	4	3			
Opening Time in Seconds (the time the MLLD opens to allow full pressure after simulated leak is stopped)	1	3	0			
Does the STP pressure remain at or below the metering pressure for at least 60 seconds when the simulated leak is induced?	YES	YES	NO			
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	FAIL			
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:						

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SERVICE TECHNICIAN NAME (printed)

PATRICK FOLEY

CERTIFIED TECHNICIAN NAME (printed)

SERVICE TECHNICIAN SIGNATURE

CERTIFIED TECHNICIAN SIGNATURE

CERT NO: UC111246
EXPIRATION DATE: 09/15/2024