Leak Test: Pressurized Internal Circuits with Vacuum Vessel Evacuated

Meyer Tool & Mfg., Inc.
4601 SOUTHWEST HWY., OAK LAWN, ILLINOIS 60453
708/425-9080
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HELIUM MASS SPECTROMETER LEAK DETECTION TEST REPORT

MTM JOB NO.:	00918	
CUSTOMER:	LBNL	
MTM DRAWING/ASSEMBLY/ITEM NO.:	251873	
COMPONENT SERIAL NUMBER:	Box "E"	
COMPONENT DESCRIPTION:	JC 1 Circuit	
MSLD TAG NO.:	3069	
CALIBRATED LEAK TAG NO.:	CL-1	
SENSITIVITY (☑ MSLD ☐ SYSTEM):	INITIAL 2.92×10^{-11}	FINAL 2.92×10^{-11}
TEST PERFORMED ON SCALE:	0/10	
INITIAL READING:	6/10	
FINAL READING:	6/10	
LEAK RATE (ATM CC/SEC)		
PROCEDURE USED:	☑ MTM-MP-1110	
	☐ OTHER _____	
RESULTS/COMMENTS: (NOTE: Record hood test time vs. MSLD reading in this section.)	EVACUATED CIRCUIT WHICH INCLUDES; XB, LD2, CY1, E1, LD1, MQX1	
	NO LEAKS FOUND	
OPERATOR:	Wayne E John	DATE: 3-23-05
	☑ ACCEPT	☐ REJECT

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PNEUMATIC PRESSURE TEST REPORT

MTM JOB NO.:	00918
CUSTOMER:	LBNL
MTM DRAWING/ASSEMBLY/ITEM NO.:	25I873
COMPONENT SERIAL NUMBER :	Box "E"
COMPONENT DESCRIPTION:	JC1 circuit
PRESSURE GAUGE(S) TAG NO.:	PG-26
PRESSURE GAUGE(S) RANGE:	0/60 PSIG
TEST PRESSURE:	28.5 PSIG
GAS USED:	Helium
PROCEDURE USED:	☑ MTM-MP-1105 ☐ OTHER
RESULTS/COMMENTS:	PRESSURIZED CIRCUIT: XB, LD2, CY1, E1, LD1, MQX1 WHILE VAC. SHELL UNDER VACUUM. NO LEAKS DETECTED
OPERATOR:	Wayne Eyl DATE: 3-24-05 ☑ ACCEPT ☐ REJECT

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HELIUM MASS SPECTROMETER LEAK DETECTION TEST REPORT

MTM JOB NO.:	00918
CUSTOMER:	LBNL
MTM DRAWING/ASSEMBLY/ITEM NO.:	25I873
COMPONENT SERIAL NUMBER:	Box "E"
COMPONENT DESCRIPTION:	JC2 Circuit
MSLD TAG NO.:	3069
CALIBRATED LEAK TAG NO.:	CL-1
SENSITIVITY (☑ MSLD ☐ SYSTEM):	INITIAL 2.92×10^{-11} / FINAL 2.92×10^{-11}
TEST PERFORMED ON SCALE:	0/10
INITIAL READING:	4/10
FINAL READING:	4/10
LEAK RATE (ATM CC/SEC)	
PROCEDURE USED:	☑ MTM-MP-1110 ☐ OTHER _____
RESULTS/COMMENTS: (NOTE: Record hood test time vs. MSLD reading in this section.)	EVACUATED CIRCUIT WHICH INCLUDES; DHLINE, KD2, "V" PIPE CC3, CC2, CC1, EX, LHe TANK NO LEAKS FOUND
OPERATOR:	Wayne S [illegible] DATE: 3-24-05
	☑ ACCEPT ☐ REJECT

TEST REPORT FORM TR-1110
REV. 0

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PNEUMATIC PRESSURE TEST REPORT

MTM JOB NO.:	00918
CUSTOMER:	LBNL
MTM DRAWING/ASSEMBLY/ITEM NO.:	2SI873
COMPONENT SERIAL NUMBER :	Box "E"
COMPONENT DESCRIPTION:	JC2 Circuit
PRESSURE GAUGE(S) TAG NO.:	PG-26
PRESSURE GAUGE(S) RANGE:	0/60 psig
TEST PRESSURE:	28.5 psig
GAS USED:	Helium
PROCEDURE USED:	☑ MTM-MP-1105 ☐ OTHER
RESULTS/COMMENTS:	Pressurized Circuit; DH Line, KD2 "V" pipe, CC3, CC2, CC1, EX + LHe Tank Vac. Shell under Vacuum No Leaks Detected
OPERATOR:	Wayne E. John DATE: 3-24-05 ☑ ACCEPT ☐ REJECT

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HELIUM MASS SPECTROMETER LEAK DETECTION TEST REPORT

MTM JOB NO.:	00918	
CUSTOMER:	LBNL	
MTM DRAWING/ASSEMBLY/ITEM NO.:	2SI873	
COMPONENT SERIAL NUMBER:	Box "E"	
COMPONENT DESCRIPTION:	MQX2 (porcupine)	
MSLD TAG NO.:	3069	
CALIBRATED LEAK TAG NO.:	CL-1	
SENSITIVITY (☑ MSLD ☐ SYSTEM):	INITIAL 2.92×10^{-11}	FINAL 2.92×10^{-11}
TEST PERFORMED ON SCALE:	0/10	
INITIAL READING:	4/10	
FINAL READING:	4/10	
LEAK RATE (ATM CC/SEC)		
PROCEDURE USED:	☑ MTM-MP-1110 ☐ OTHER _____	
RESULTS/COMMENTS: (NOTE: Record hood test time vs. MSLD reading in this section.)	NO LEAKS DETECTED	
OPERATOR:	Wayne E. John DATE: 3-24-05 ☑ ACCEPT ☐ REJECT	

TEST REPORT FORM TR-1110
REV. O

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PNEUMATIC PRESSURE TEST REPORT

MTM JOB NO.:	00918
CUSTOMER:	LBNL
MTM DRAWING/ASSEMBLY/ITEM NO.:	25I873
COMPONENT SERIAL NUMBER :	Box "E"
COMPONENT DESCRIPTION:	MQX2 (Porcupine)
PRESSURE GAUGE(S) TAG NO.:	PG-26
PRESSURE GAUGE(S) RANGE:	0/60 psig
TEST PRESSURE:	28.5 psig
GAS USED:	Helium
PROCEDURE USED:	☑ MTM-MP-1105 ☐ OTHER _____
RESULTS/COMMENTS:	Pressurized circuit while vac. shell under vacuum No leaks detected
OPERATOR:	Wayne Eifler DATE: 3-24-05 ☑ ACCEPT ☐ REJECT

TEST REPORT FORM TR-1105
REV. O