



Alcatel Helium Leak Detector Repair & Overhaul Check List

Customer: _____

Technician: _____

S/N: _____

Model #: _____

RVP S/N: _____

Date Received: _____

Turbo S/N: _____

Date Returned: _____

Current Hour Meter _____

Previous Overhaul Hr Meter: _____

Hrs since Overhaul: _____

Previous Hour Meter Filament _____

Hrs on Filament: _____

Previous Hour Meter Turbo Regrease _____

Hrs on Turbo Regrease: _____

Helium Background: _____ (atm-cc/sec)

Inspected By: _____

Item	Check	Description
1	<input type="checkbox"/>	Clean and rebuild mass spectrometer. Install new filament and collector.
2	<input type="checkbox"/>	Clean, disassemble, and ultrasonic clean all vacuum valves, flex tubing, fittings and manifolds.
3	<input type="checkbox"/>	Clean and regrease with Krytox inner housing wall on the rough and test vacuum valves.
4	<input type="checkbox"/>	Replace leak detector o-rings.
5	<input type="checkbox"/>	Replace vacuum valve plungers on minisol valves.
6	<input type="checkbox"/>	Replace vacuum valve plungers on bacasol valves.
7	<input type="checkbox"/>	Calibrate internal helium leak standard.
8	<input type="checkbox"/>	Check and calibrate inlet pressure gauge.
9	<input type="checkbox"/>	Install minor repair kit (seals, o-rings) in rotary vane vacuum pump. Clean, flush and change oil.
10	<input type="checkbox"/>	Perform rotary vane pump test with pump down curve.
11	<input type="checkbox"/>	Disassemble, clean and manually grease turbo pump bearings.
12	<input type="checkbox"/>	Check leak detector I/O board both discrete and RS232.
		Check and adjust the following settings:
13	<input type="checkbox"/>	Gross to Fine Crossover Pressure Setting
14	<input type="checkbox"/>	Zero setting,
15	<input type="checkbox"/>	GL/FL correlation setting
16	<input type="checkbox"/>	Temperature Compensation board setting
17	<input type="checkbox"/>	Linearity of Preamplifier
18	<input type="checkbox"/>	Perform a global helium leak test on leak detector.

Other repairs performed but not included in above items:
