

REPORT ON THE DISCUSSIONS OF THE FNAL MAGNET ACCEPTANCE COMMITTEE W/RESPECT TO LQXC01

The Fermilab magnet acceptance committee reviewed the data with respect to LQXC01. A summary of the comparison between the results and the criteria are presented in the summary table.

The magnet acceptance committee concludes the magnet is ready to ship.

LQXC01 (MQXA07) ACCEPTANCE CRITERIA SUMMARY

criteria	description	status	resp. party	reported by
2.1.3	THERMOMETER AND WARM UP HEATER INSTALLATION	ok	rb	rb
2.1.4	BUS WORK CHECKOUT	ok	rb	rb
2.1.5	ROOM TEMPERATURE HIPOT		rb/ml	ml
2.1.6	ROOM TEMPERATURE ELECTRICAL CHECKOUT		rb/ml	ml
2.1.7	PRESSURE TEST DOCUMENTATION	done	tn/tp	tp
2.1.8	LEAK CHECK DOCUMENTATION	done	tn/tp	tp
2.1.9	CRYOSTAT SAFETY DOCUMENTATION	done	tn/tp	tp
2.1.10	PIPE ASSEMBLY DOCUMENTATION		tn/tp	tn
2.1.11	WARM CRYOSTAT TO MAGNETIC AXIS REFERENCE		ps	ps
2.2.1	COLD INSTRUMENTATION CHECK OUT		ml	ml
2.2.2	COLD HEATER CHECKOUT		ml	ml
2.2.3	COLD ELECTRICAL HIPOT		ml	ml
2.2.4	NO TRAINING DEGRADATION AFTER FULL ENERGY DEPOSITION TRIP	deleted	ps	
2.2.5	COLD ALIGNMENT		ps	ps

OTHER:

LQXC01 includes quadrupole MQXA07 and correctors:

- HCMCBX_001-SI000018 - Insert HCMCSTX_001-CE00000
- HCMCSOX_001-AN000001
- HCMQSX_001-AN000001

The ID card for LQXC01 has been completed and is being transmitted separately.

Criteria 2.2.4 has been dropped from the test plan.