

REPORT ON THE DISCUSSIONS OF THE FNAL MAGNET ACCEPTANCE COMMITTEE W/RESPECT TO LQXC03

The Fermilab magnet acceptance committee reviewed the data with respect to LQXC03. 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.

LQXC03 (MQXA13) ACCEPTANCE CRITERIA SUMMARY

criteria	description	status	resp. party	reported by
2.1.3	THERMOMETER AND WARM UP HEATER INSTALLATION	see comments below.	rb	rb
2.1.4	BUS WORK CHECKOUT	OK	rb	rb
2.1.5	ROOM TEMPERATURE HIPOT	done	ml	ah
2.1.6	ROOM TEMPERATURE ELECTRICAL CHECKOUT	done	ml	ah
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	done	ps	ps

OTHER:

LQXC03 includes quadrupole MQXA13 with correctors

- HCMCBX_001-ST000021 (insert HCMCSTX001-CE000009)
- HCMCSOX001-AN000008
- HCMQSX_001-AN000008

The ID card for LQXC03 has been completed and is being transmitted separately.

Comments on 2.1.3:

All cryogenic (warmup) heaters function normally.

One thermometer (primary, on IP end) functions normally. The redundant thermometer (on non-IP end) failed after the hypertronics connector was installed. It was replaced with a new one, mounted onto the top of the MCBXA corrector shell, longitudinally within 2 centimeters of the “far” end of the corrector (away from the magnet). This thermometer functions normally.

