

From: Goranson, Paul L. [<mailto:goransonpl@ornl.gov>]
Sent: Tuesday, November 27, 2007 10:58 AM
To: Freudenberg, Kevin D.
Cc: Mike Cole; Bradley E. Nelson; Phil Heitzenroeder; Goranson, Paul L.
Subject: NCSX shim test results

The first round of pull tests were completed on Monday, Nov 26 with complete success. The unit was cooled to 100 K and then slowly loaded over an 18 minute time period to 50,000 lbs and then back down, twice with no slippage. This was followed by a couple of hundred cycles between 0 and 50,000 lbs while we were determining the maximum cycle rate for the MTS machine.

The unit will start fatigue testing this afternoon at 4 Hz and testing to 10,000 cycles could be complete by days end, if all goes well.

The gradient from top to bottom of the fixture was ~ 7-10 K and steady state was achieved in approximately 3 hours.

Paul