

KSC LIST OF CRANES USED FOR LOAD TESTING (NOTE 1)

Updated October 2012

Primary organizations having design, procurement, operations and maintenance of lifting equipment are responsible for submitting requests for changes to the Lifting Equipment Devices Manager (LDEM), with rationale to the list of cranes used for load testing. The LDEM will approve/disapprove changes to the list. Requests for changes to the list shall state what load testing will be performed and should include the following:

- a. Design standard(s).
- b. Design safety factor(s).
- c. Test history.
- d. Operations history.
- e. Maintenance history.
- f. Other acceptance rationale to perform the load testing.

CRANE DESCRIPTION ALLOWED LOAD TEST % (NOTE 2)

SPACE FLIGHT OPERATIONS CONTRACT

VAB 325-Ton Bridge Cranes	50
VAB 250-Ton Bridge Cranes	50
VAB 175-Ton Bridge Crane	50
K6-1996 5-Ton Monorail Crane	100
K6-1996 2-Ton Monorail Crane	100
ARF 1 Ton Gantry Hoist	50
Linkbelt 75-Ton Mobile Crane (202-031)	75
Linkbelt 250-Ton Mobile Crane	75
Linkbelt 40-Ton Mobile Crane	75
Tadano 130-Ton Mobile Crane	75
Broderson 9 -Ton Mobile Crane	75

CRANE DESCRIPTION

ALLOWED LOAD TEST % (NOTE 2)

CHECKOUT ASSEMBLY & PAYLOAD PROCESSING SERVICES CONTRACT

PHSF 50-Ton Bridge Cranes	50
LASF 100-Ton Bridge Crane	50
MPPF 20-Ton Bridge Crane	50

INSTITUTIONAL SUPPORT CONTRACT

Linkbelt 22-Ton Mobile Crane	75
Linkbelt 75-Ton Mobile Crane (202-104)	75
Broderson 8.5-Ton Mobile Crane	75
Terex RT 35-Ton Crane	75
Lorain 7.5 ton Crane	75

ENGINEERING SERVICES CONTRACT

M7-505 10-Ton Bridge Cranes	50
P&H 50-Ton Mobile Crane	75

NOTES:

1. Load test requirements in KNPR 8715.3, Section 11.1, LOAD TESTING, shall be adhered to as well as Appendix D in NASA-STD-8719.9, CRANE/HOIST REQUIREMENTS TO LOAD TEST OTHER LIFTING EQUIPMENT.
2. Allowed load tests % is calculated based on the crane's rated capacity.