

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

Updated 29 Mar 07

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 information that is 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
VAB Cell 1 10-Ton Bridge Crane	50 (NOTE 3)
RPSF 200-Ton Bridge Cranes	50
OPF 30-Ton Bridge Cranes	50
K6-1996 3-Ton Monorail Crane	100
K6-1996 1 ½ -Ton Monorail Crane	100
Linkbelt 250-Ton Mobile Crane	75
Manitowoc 140-Ton Mobile Crane	75
P&H 65-Ton Mobile Crane	75
Linkbelt 40-Ton Mobile Crane	75
Drott 30-Ton Mobile Crane	75
Broderson 8 ½ -Ton Mobile Crane	75
P&H 300-Ton Mobile Crane	75
Tadano 130-Ton Mobile Crane	75
ARF 1 Ton Gantry Hoist	50
SSMEPF 15-Ton Bridge Crane	50 (NOTE 4)

CRANE DESCRIPTION**ALLOWED LOAD TEST % (NOTE 2)****CHECKOUT ASSEMBLY & PAYLOAD PROCESSING SERVICES CONTRACT**

O&C 27 ½ - Ton Bridge Cranes	50
O&C 4-Ton Monorail Crane	50
O&C 2-Ton Bridge Crane	50
O&C 1-Ton Jib Cranes	50
VPF 10-Ton Bridge Crane	50
PHSF 50-Ton Bridge Cranes	50
SAEF-2 20-Ton Bridge Crane	50
CRF 100-Ton Bridge Crane	50
MPPF 20-Ton Bridge Crane	50

JOINT BASE OPERATIONS SUPPORT CONTRACT

P&H 90-Ton Mobile Crane	75
Manitowoc 140-Ton Mobile Crane	75
P&H 65-Ton Mobile Crane	75
Linkbelt 22-Ton Mobile Crane	75
Proof Test Fixture 10-Ton Bridge Crane	100

ENGINEERING DEVELOPMENT CONTRACT

P&H 50-Ton Mobile Crane	75
M7-505 10-Ton Bridge Cranes	50
Liftech 5-Ton Job Crane	50

NOTES:

1. Load test requirements in KNPR 8715.3, Attachment G, Section 1.Oc(3) shall be adhered to.
2. Allowed load tests % is calculated based on the crane's rated capacity.
3. It is acceptable to perform SSME rotating sling 1G functional testing only at greater than 50% of crane capacity.
4. It is acceptable to perform SSME rotating sling testing only at greater than 50% of crane capacity.