

CHAIN SLING LOAD TEST REPORT (Rigging Tackle Load Test Report)

- Notes:**
1. Qualified inspector must witness and verify all steps below.
 2. Proof-test to 200% of rated capacity to certify new equipment procured without manufacturers certification. Test loads must be accurate to within -5%, +0% of the stipulated values.

INSPECTION

- _____ 1. Hang chain in a vertical position, if practical, for preliminary inspection. Chain should hang reasonably straight if links are not distorted.
- _____ 2. Accurately measure the reach (inside of crane ring to inside of hook) under no load when new and at each inspection, and keep a record of increase in length.
- _____ 3. Check for localized stretch and wear. Lift each link from its seat and visually inspect for grooving. If grooving is noticed, then verify stock diameter of links to be within the minimum safe dimension in the table below.
- _____ 4. Sharp transverse nicks should be rounded out by grinding.
- _____ 5. Check for evidence of heat damage.

Chain slings must be immediately removed from service if any of the following conditions are present:

- a. Cracked or deformed master links, coupling links, etc.
- b. Hooks with any distortion causing an increase in the throat opening of 5% not to exceed 1/4" of original throat opening, hooks with any visible bend or twist from the original plane of the hook, and hooks having any wear exceeding 10% of original must be replaced.
- c. Wear at any point of any chain link exceeding that shown in the table below.

Maximum allowable wear at any point of link

Chain size (in.)	Maximum allowable wear (in.)
1/4	3/64
3/8	5/64
1/2	7/64
5/8	9/64
3/4	10/64
7/8	11/64
1	12/64
1-1/4	16/64

NOTE: For other sizes, consult chain or sling manufacturer.

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Manufacturer: _____ **Serial #** _____

Size and Length: _____ **Capacity (SWL):** _____

Actual Load Test: _____ **Load Test %:** _____

Operator: _____ **BNL Insp. Tag #:** _____

Remarks _____

Qualified inspector must inspect hook by visual examination, liquid penetrant examination, or magnetic particle examination.

QUALIFIED INSPECTOR _____ **DATE** _____