

WIRE-ROPE SLING INSPECTION AND LOAD TEST REPORT

- Notes:** 1. Qualified inspector must witness and verify all steps below.
2. When required, proof-test to 200% for mechanical-splice and endless slings and 125% for hand tucked slings of rated capacity to certify new equipment procured without manufacturer's certification. Test loads must be accurate to within -5%, +0% of the stipulated values.

Wire rope must be immediately removed from service if any of the following conditions are present:

INSPECTION

- _____ 1. Ten randomly distributed broken wires in one rope lay or five broken wires in one stranding one rope lay.
- _____ 2. Wear or scraping of 1/3 the original diameter of the outside individual wire.
- _____ 3. Kinking, crushing, birdcaging, or any other damage resulting in distortion of the wire rope structure.
- _____ 4. Heat damage.
- _____ 5. Cracked, deformed, or worn end attachments.
- _____ 6. 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 shall be replaced.
- _____ 7. Corrosion of the rope or end attachments.

Manufacturer: _____ Serial # _____

Size: (Length, Diameter, Etc.) _____ Capacity (SWL) _____

Actual Load Test: _____ lb. Load Test % _____

Operator: _____ BNL Insp. Tag # _____

REMARKS _____

A qualified inspector must inspect hook/rings by visual examination, liquid penetrant examination or magnetic particle examination.

Acceptance: No cracks, linear indications, laps, or seams.

QUALIFIED INSPECTOR _____ **DATE** _____