



Chapter 41: [Hoisting and Rigging](#)

# Mobile Crane Pre-use Inspection Form

Product ID: [464](#) | Revision ID: 2427 | Date Published: 11 June 2021 | Date Effective: 11 June 2021

URL: <https://www-group.slac.stanford.edu/esh/eshmanual/references/hoistingFormInspectPreuseCraneMobile.pdf>

**ENVIRONMENT, SAFETY & HEALTH DIVISION**

This form is used to document the pre-use inspection required for all mobile cranes at the beginning of each shift. The operator completes inspection before beginning work, keeps the form on the crane during work, and submits to the equipment custodian once work is completed. The equipment custodian maintains the completed forms (see [Hoisting and Rigging: Equipment Requirements](#) [SLAC-I-730-0A21S-035]).

Equipment found unsafe must be removed from service. Report any deficiencies immediately to the custodian.

|              |
|--------------|
| Operator     |
| Crane number |

|           |      |
|-----------|------|
| Signature |      |
| Model     | Date |

| Visual Inspection  | Pass | Fail | N/A |   | Pass | Fail | N/A |
|--|------|------|-----|---|------|------|-----|
| Engine fluid level correct (check dip stick or sight glass)                          |      |      |     | Gauges and Indicators   |      |      |     |
| Hydraulic fluid level correct (check dip stick or sight glass)                       |      |      |     | Load moment indicator operational                                       |      |      |     |
| Hydraulic system exhibits no apparent weeping or leaks                               |      |      |     | Drum rotation indicator functioning                                     |      |      |     |
| Air system exhibits no audible leaks   |      |      |     | Boom length indicator functioning                                       |      |      |     |
| Tire pressure acceptable and tire not damaged  |      |      |     | Boom angle indicator functioning  |      |      |     |
| Telescoping boom exhibits no damage to structure, wear pads, boom stops, or cylinder |      |      |     | Engine: hydraulic, air, electrical, oil pressure, temperature, and fuel |      |      |     |
| Wire rope free of dirt, excess lube, kinks, and wires and spooled correctly          |      |      |     | Operational Inspection  |      |      |     |
| Reeving correct  |      |      |     | Correct counterweight for the load                                      |      |      |     |
| Wedge sockets and wire rope clips not distorted, cracked, or missing                 |      |      |     | Main hoist control functioning  |      |      |     |
| Block not damaged  |      |      |     | Auxiliary hoist control functioning                                     |      |      |     |
| Ball and hook is free to swivel and rotate   |      |      |     | Anti-two block in place and functioning                                 |      |      |     |
| Guards are in place  |      |      |     | Swing brake   |      |      |     |
| Outrigger float(s) secured with pad pin  |      |      |     | Lights and horns functional   |      |      |     |
| Cab  |      |      |     |   |      |      |     |
| Handrails in place and not damaged   |      |      |     |   |      |      |     |
| Operator's manual in vehicle   |      |      |     |   |      |      |     |
| Load chart legible and visible to operator   |      |      |     |   |      |      |     |
| Hand signal chart visible to workers   |      |      |     |   |      |      |     |
| Charged fire extinguisher in place   |      |      |     |   |      |      |     |
| Cab glass not cracked and wipers are functional                                      |      |      |     |   |      |      |     |