

TELECOM & TOWER

Capstan Hoist Pre-Use Check

Date: _____

Equipment / ID: _____

Inspected by: _____

Result: PASS / FAIL

Run this before the first lift of the day. A capstan pulls until something gives — the check is what decides whether that something is the rope or the operator.

1. Mounting

☐ Mount is on a structural member, not on a guardrail, ladder or handrail. ☐ Hardware is rated and tight. ☐ Base is level and stable; no soft ground, ice or loose deck under the mount. ☐ Nothing on the mount is cracked, bent or field-welded.

2. Machine

☐ Drum and frame free of cracks. ☐ Guards in place. ☐ Throttle and clutch return to neutral on release. ☐ Kill switch reachable from the operating position and tested today. ☐ No fuel or hydraulic leaks.

3. Rope

☐ Rope type and diameter are the ones the manufacturer specifies — normally double-braid polyester; polypropylene is tag-line material and is not used for lifting. ☐ No cuts, glazing, flat spots or pulled strands. ☐ Splices and eyes intact. ☐ Working load limit known: minimum breaking strength divided by 5.

4. Rigging above

☐ Block and sling rated for the load AND for the turn — a 180-degree turn puts roughly twice the line tension on the block. ☐ Sling choked around a structural leg, never around a guy wire or a step bolt. ☐ Tag line rigged and a ground worker assigned to it.

5. The ground

☐ Drop zone barricaded at a radius of at least half the working height. ☐ Nobody under the load path. ☐ Radios checked on the crew channel. ☐ Operator knows the stop signal and who can give it.

Before you sign:

- Who is the operator, and who is the signal person?
- What is the rope's working load limit today?
- Where does the load land if the rope parts right now?

CAPSTAN HOIST PRE-USE CHECK

Sign-off

Everyone who took part signs below. Keep this sheet with your site safety file.

#	Name (print)	Signature
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		