

CRANE TECHNICIAN MAINTENANCE • MODEL SPECIFIC

ZOOMLION RL250-16RB

Every maintenance requirement for this crane, from the manufacturer's manual and from CSA Z248-17, grouped by how often it is due. Each line opens the page it came from.

This is the crane technician's work — QnQ attends site for all of it. Two other jobs are deliberately not in here: the operator's daily pre-shift checks, which live in the daily logbook, and the greasing the operator does under the hire agreement, which has its own form per machine. Between the three documents, every requirement on this crane is covered once and only once.

Luffing-jib tower crane with a hydraulic luffing system, convertible between luffing and flat-arm mode. Working wind limit 20 m/s; erecting, climbing and dismantling 14 m/s — and jacking is barred above Beaufort 4, which is far lower.

131

maintenance items

70

on the calendar

9

on the hour meter

52

event triggered

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Every line traces to the ZOOMLION manual for this model or to CSA Z248-17. Tap **Manual** on any line to jump straight to that page.

Page numbers are **PDF page numbers**, which run a little ahead of the page numbers printed on the manual's own pages — type the PDF number into your reader and you will land on the right page.

This document is for the RL250-16RB only

The R275-12RB is a different machine with different numbers. Working from the wrong sheet puts the wrong figure on a brake.

	RL250-16RB — this crane	R275-12RB
Hoist brake shoe clearance	20 ± 2 mm	70 ± 2 mm
Slewing brake rated gap	0.5 mm	0.75–1.0 mm
Motor temperature rise limit	60 K	80 K (bearing 95 °C)
Pulley wear criteria	absolute — X 5 mm, Y 3 mm	proportional — 30% of rope dia.
Reducer oil	7500 h or 5 years	2000 h (climbing 2400 h)
Extra mechanisms	luffing gear + luffing hydraulics	trolley

Also: this machine luffs, so it carries checks the saddle-jib crane does not — before and after every conversion between luffing and flat-arm mode. And §5.3 documents **two slewing brake designs**: identify which is fitted first.

What is due, and when

Every shift	7
Every 2 days	1
Every 3 days	1
Every week	16
Every 10 days	1
Every month	23
Every 3 months	3
Every 6 months	4
Every year	13
Every 2 years	1
Counted on the hour meter	9
Triggered by an event	52

Each line below is tagged with its timeframe, so it stays clear which list you are in however far down the page you are.

How to use this

1. **Three kinds of line in here, and they do not carry equal weight.** **CSA Z248-17** is law — the OHS Regulation requires tower cranes to meet it (OHSR 14.2(6)). The **ZOOMLION manual** is the manufacturer's instruction and the Regulation requires equipment to be maintained to it. **BC Crane Safety** lines are industry good practice: BCCS are an association, not a regulator, and those lines say so. Where they differ, the tighter one wins.
2. **Every line names its source and its page.** ZOOMLION lines carry the manufacturer's own words; CSA lines carry the clause text and number. The button opens the manual at that exact page.
3. **Where the frequency is our judgement it says so.** 14 lines are marked: the document gives a limit or a method but never a schedule for checking it, so QnQ picked one. Change it if you want it checked more often.
4. **Hour-meter lines are not calendar lines.** Read them off the meter and record the reading when the work is done.
5. **Log everything.** ZOOMLION, CSA 6.2 and BC Crane Safety all require the same record, and the logbook stays with the crane.

Every shift

7

Trial run on starting — listen to the brake

EVERY SHIFT

MANUAL p. 294

Ch.9 §1 Necessary
maintenance

Hook sliding — stop and find the cause before working

EVERY SHIFT

MANUAL p. 294

Ch.9 §1 Necessary
maintenance

Reducer oil leakage — top up promptly

EVERY SHIFT

MANUAL p. 294

Ch.9 §1 Necessary
maintenance

The rope arrangement

EVERY SHIFT

MANUAL p. 294

Ch.9 §1 Necessary
maintenance

Drum — at least 3 turns of rope left at full payout

EVERY SHIFT

First layer spooled under load — 2% of the rope's minimum breaking force or 10% of rated load

MANUAL p. 367

Frequency set by QnQ

Ch.9 §9.3

Wire rope twist and hook deflection — watch for the hook turning

EVERY SHIFT

MANUAL p. 136

Ch.5 §3.8.4

Reducers — daily check on oil temperature, noise and spilling

EVERY SHIFT

MANUAL p.307

Ch.9 §2.4.1, Table 9.2-4

Every 2 days

1

Brake inspection — shoe clearance, spring length, limit switch board, oil on drum or pad, pad wear, drum cracks

EVERY 2 DAYS

MANUAL p.302

Pad under 3 mm effective thickness must be changed

§2.2.6-10

Frequency set by QnQ

Every 3 days

1

Luffing brake air gap

EVERY 3 DAYS

The values are the manual's and do not change: normal 0.6 mm, maximum 1.2 mm

MANUAL p.333

Frequency set by QnQ

§4.2.2-41

Every week

16

Electrical control cabinet

EVERY WEEK

MANUAL p.294

Ch.9 §1 Necessary maintenance

Electric control components, power lines and cables

EVERY WEEK

MANUAL p.294

Ch.9 §1 Necessary maintenance

Safety devices — load moment, load, luffing, slewing and hoist limiters

EVERY WEEK

MANUAL p.294

Ch.9 §1 Necessary maintenance

Rope arrangement — lubrication and pulley check before starting

EVERY WEEK

Confirm the first layer is still tight on the drum; if it has slackened, re-spool it under load (2% of the rope's minimum breaking force, or 10%...

MANUAL p.313

Ch.9 §2.6, Table 9.2-6

Frequency set by QnQ

Coupling — listen to it weekly

EVERY WEEK

MANUAL p.312

Ch.9 §2.5

Safety brake — disc spring cracked, or hydraulic oil leaking onto it

EVERY WEEK

MANUAL p. 327

Ch.9 §3.2.3

Structural pins and keepers

EVERY WEEK

CSA p. 49

6.4.5 (a)

Trolley rollers, tracks, slewing rings and rollers

EVERY WEEK

CSA p. 49

6.4.5 (b)

Gear shaft and belt drives

EVERY WEEK

CSA p. 49

6.4.5 (c)

Sheaves, bushings and pins

EVERY WEEK

CSA p. 49

6.4.5 (d)

Guy ropes, pendant lines, cable clips, thimbles and ferrules

EVERY WEEK

CSA p. 49

6.4.5 (e)

Jib backstops (boom stops)

EVERY WEEK

CSA p. 49

6.4.5 (f)

All rope attachments

EVERY WEEK

CSA p. 49

6.4.5 (g)

Walkways, handrails and ladders

EVERY WEEK

CSA p. 49

6.4.5 (h)

Water collection points — confirm they drain

EVERY WEEK

CSA p. 50

6.4.5 (i)

Tie-ins to slabs or other bracing systems, where used

EVERY WEEK

CSA p. 50

6.4.5 (j)

Every 10 days

1

Hook head — check for deflection every 10 days after a rope change

EVERY 10 DAYS

MANUAL p.136

Ch.5 §3.8.4

Every month

23

Climbing pump station — add hydraulic oil

EVERY MONTH

MANUAL p.294

Ch.9 §1 Necessary
maintenance

High-strength bolts — first torque check within one month of erection

EVERY MONTH

MANUAL p.294

Ch.9 §1 Necessary
maintenance

Pumping station — hydraulic oil level

EVERY MONTH

MANUAL p.295

Ch.9 §1 Necessary
maintenance

High-strength bolts — pre-tightening torque

EVERY MONTH

MANUAL p.295

Ch.9 §1 Necessary
maintenance

Reducers — oil levels

EVERY MONTH

MANUAL p.295

Ch.9 §1 Necessary
maintenance

Primary structural members, important welds and links (bolts, pins)

EVERY MONTH

MANUAL p.295

Ch.9 §1 Necessary
maintenance

Passageways and railings — tightness

EVERY MONTH

MANUAL p.295

Ch.9 §1 Necessary
maintenance

Hoisting mechanism brake

EVERY MONTH

shoe clearance, the thruster compensation stroke hb, rated 20 ± 2 mm with a minimum of 5 mm (Table 9.2-2).

MANUAL p.295

Ch.9 §1 Necessary
maintenance

Slewing mechanism brake

EVERY MONTH

MANUAL p. 295

Ch.9 §1 Necessary
maintenance**Luffing mechanism brake**

EVERY MONTH

MANUAL p. 295

Ch.9 §1 Necessary
maintenance**Brake shoe clearance balancing — lever level, 8 mm and 5 mm gaps**

EVERY MONTH

Geometry: the balancing lever must be level, at least 8 mm from the motherboard at its middle and bottom, and at least 5 mm from the brake drum at...

Frequency set by QnQ

MANUAL p. 300

Ch.9 §2.2.4

Earthing — continuity of the protective circuit, resistance under 4 ohms

EVERY MONTH

Same 4 ohm figure the R275 gives

Frequency set by QnQ

MANUAL p. 210

Electrical — Grounding

Radio remote control — emergency stop, rubber seals, battery box

EVERY MONTH

Frequency set by QnQ

MANUAL p. 268

Remote control —
maintenance**Load trolley rollers and the anti-twist device — monthly**

EVERY MONTH

wear — when a side roller has worn 5% of its diameter it must be replaced

MANUAL p. 381

Ch.11 §11.3

Hook — opening, wear and the anti-drop device

EVERY MONTH

Opening (§11.1): the datum $a_2 = 100 +4/0$ mm, measured before the hook was ever used

Frequency set by QnQ

MANUAL p. 380

Ch.9 §11.2

All running ropes — periodic rope inspection

EVERY MONTH

CSA p. 52

6.5.1.3.1

Mast and boom structure — cracks or buckling

EVERY MONTH

CSA p. 50

6.4.6 (b)

Bogie wear on travelling cranes

EVERY MONTH

CSA p. 50

6.4.6 (c)

Counterweight supports

EVERY MONTH

CSA p. 50

6.4.6 (d)

Brake adjustment and wear

EVERY MONTH

CSA p. 50

6.4.6 (e)

Drums, sheaves, bearings and mounts

EVERY MONTH

CSA p. 50

6.4.6 (f)

Operator crane log up to date — tests, inspections, maintenance

Frequency set by QnQ

EVERY MONTH

CSA p. 47

6.2.3 (c)

Lubricating systems — check they are actually delivering lubricant

Frequency set by QnQ

EVERY MONTH

CSA p. 56

7.5

Every 3 months

3

Hoist motor — temperature rise limit 60 K, bearing cavity 70% of rated temperature

60 K for both the motor and the bearing on this machine — the R275 allows 80 K motor / 95°C bearing

Frequency set by QnQ

EVERY 3 MONTHS

MANUAL p. 306

Ch.9 §2.3

Slewing brake — two designs here too, and the RL250 gap is 0.5 mm

Design I (§5.3.1): measured gap δ must stay under 1.2 mm

EVERY 3 MONTHS

MANUAL p. 340

Ch.9 §5.3.1

Reducers — vent screw cleared, and the spline checked twice a year

If the spline wear is more than 0.5 mm, contact ZOOMLION to maintain it rather than running it on

EVERY 3 MONTHS

MANUAL p. 307

Ch.9 §2.4.1, Table 9.2–4

Every 6 months

4

Integral key shaft extension, coupling spline sleeve and elastomer

EVERY 6 MONTHS

MANUAL p. 295

Ch.9 §1 Necessary maintenance

Twist compensator

EVERY 6 MONTHS

MANUAL p. 295

Ch.9 §1 Necessary
maintenance

Pulleys — X max 5 mm, Y max 3 mm

Two wear measurements: **X, the distance from the wire rope to the side face of the pulley, maximum 5 mm**

Frequency set by QnQ

EVERY 6 MONTHS

MANUAL p. 378

Ch.9 §10.2

Preventive maintenance programme reviewed against the manufacturer's recommendations, with dated records of everything done

Frequency set by QnQ

EVERY 6 MONTHS

CSA p. 55

7.2 (b)

Every year

13

High-strength bolts — check and lubricate

EVERY YEAR

MANUAL p. 295

Ch.9 §1 Necessary
maintenance

The hook

EVERY YEAR

MANUAL p. 295

Ch.9 §1 Necessary
maintenance

Cab front window hinge — free movement, lubricate

EVERY YEAR

MANUAL p. 295

Ch.9 §1 Necessary
maintenance

Hydraulic station oil — replace yearly

EVERY YEAR

MANUAL p. 295

Ch.9 §1 Necessary
maintenance

Hoist reducer oil — first change after one year, then check yearly, never beyond 5 years

EVERY YEAR

MANUAL p. 295

Ch.9 §1 Necessary
maintenance

Safety brake hydraulic system — oil and filter every 1–1.5 years

Tank holds about 25 L, filled through a filter unit

EVERY YEAR

MANUAL p. 321

Ch.9 §3.1.4

Visual inspection of the structure, with NDT of suspect areas

EVERY YEAR

CSA p. 50

6.4.7 (a)

All load-carrying equipment — sheaves, blocks, rings, shackles, hooks, slings

EVERY YEAR

CSA p. 50

6.4.7 (b)

All fixed ropes

EVERY YEAR

CSA p. 50

6.4.7 (c)

All running ropes

EVERY YEAR

CSA p. 50

6.4.7 (d)

Operational tests

EVERY YEAR

CSA p. 50

6.4.7 (e)

Load test

EVERY YEAR

CSA p. 50

6.4.7 (f)

Owner crane log — complete machine history maintained

Frequency set by QnQ

EVERY YEAR

CSA p. 47

6.2.2 (b)

Every 2 years

1

Jacking cylinder balance valve O-ring — replace every 2 years

EVERY 2 YEARS

MANUAL p. 355

Ch.9 §7.2.3

Counted on the hour meter

9

Read these off the **hour meter**, not the calendar. A busy month and a quiet month are not the same thing, which is exactly why ZOOMLION states them in hours. Record the reading whenever one is carried out.

Motor bearings — oil only where a nozzle is fitted, 1500 h and at least yearly

COUNTED ON THE HOUR
METER

MANUAL p. 295

Ch.9 §1 Necessary
maintenance

Slewing mechanism reducer — change oil — at 7500 hours or 5 years

After 7500 hours of normal use or 5 years

COUNTED ON THE HOUR
METER

MANUAL p. 295

Ch.9 §1 Necessary
maintenance

Luffing mechanism reducer — change oil — at 7500 hours or 5 years

After 7500 hours of normal use or 5 years

COUNTED ON THE HOUR
METER

MANUAL p. 295

Ch.9 §1 Necessary
maintenance

Spline wear — hoisting and luffing mechanisms — at 7500 hours or 5 years

After 7500 hours of normal use or 5 years

COUNTED ON THE HOUR
METER

MANUAL p. 295

Ch.9 §1 Necessary
maintenance

Brake friction disc wear — at 7500 hours or 5 years

After 7500 hours of normal use or 5 years

COUNTED ON THE HOUR
METER

MANUAL p. 295

Ch.9 §1 Necessary
maintenance

Electrical equipment bearing — lubricate at 10000 hours

After 10000 hours of normal use

COUNTED ON THE HOUR
METER

MANUAL p. 295

Ch.9 §1 Necessary
maintenance

Jacking hydraulic oil — completely changed at 2400 working hours

New oil must be circulated through a portable filter for 4–6 hours to reach NAS1638 class 7–8 before the system is started

COUNTED ON THE HOUR
METER

MANUAL p. 354

Ch.9 §7.2.3

Slewing bearing bolt preload — 500-hour retorque check

First check after 100 hours, then two triggers and QnQ runs both: • The maintenance chapter (§6.3, page 346) says the first check is after 100...

COUNTED ON THE HOUR
METER

MANUAL p. 346

§6.3–54

Luffing hydraulic station — the 100-hour check

COUNTED ON THE HOUR
METER

MANUAL p. 321

Ch.9 §3.1.4

Triggered by an event, not a date

52

Not on a repeating schedule — each is set off by something happening: an erection, a climb, a rope change, a repair. In the Fleet office, pressing **Crane erected** drops all of these into the calendar automatically.

Slewing bearing — grease the raceway and teeth (before every erection)

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.293

Ch.9 §1 Necessary
maintenance

Wire ropes and rope end fittings (before every erection)

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.293

Ch.9 §1 Necessary
maintenance

The hook (before every erection)

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.293

Ch.9 §1 Necessary
maintenance

Climbing equipment — grease the pin and roller (before every erection)

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.293

Ch.9 §1 Necessary
maintenance

Twist compensator (before every erection)

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.293

Ch.9 §1 Necessary
maintenance

Grease all pivots (before every erection)

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.293

Ch.9 §1 Necessary
maintenance

All structural and connecting parts intact and complete (before every erection)

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.293

Ch.9 §1 Necessary
maintenance

Electric control and safety components intact (before every erection)

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.293

Ch.9 §1 Necessary
maintenance

Important parts intact, complete and free of bumping (before every erection)

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.293

Ch.9 §1 Necessary
maintenance

Hoist reducer — oil quality and quantity (before every erection)

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.293

Ch.9 §1 Necessary
maintenance

Pump station — oil quality and quantity (before every erection)

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.293

Ch.9 §1 Necessary
maintenance

Luffing hydraulic system intact and complete (before every erection)

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.293

Ch.9 §1 Necessary
maintenance

Jacking mechanism intact and complete (before every erection)

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.293

Ch.9 §1 Necessary
maintenance

Brake pad change — the bedding-in runs are part of the job

The part people skip: **run the brake statically 25–30 times** with the main motor unpowered, 40% working system, 5-second cycle

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.301

Ch.9 §2.2.5

Reducer oil change — and keep water out of the breather

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.310

Ch.9 §2.4.2

Attachment frames — inner strut rods, 1/100 levelness and the 1 mm pin rule

(page 98). The 200 mm is A permission, not A tolerance

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.98

Ch.11 §11.3.5

Jacking — slew locked, nobody rotating, one person in charge

Wind no greater than 14 m/s (and remember the jacking pump station's own Beaufort-4 limit, which is stricter). Slewing brake locked.

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.107

Ch.5 — erection
precautions

Luffing cylinder seals — 5-year life, checked at the end of every site

Oil: ISO VG46 for 0–30°C

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.350

Ch.9 §7.1.2

Jacking wind limit — Beaufort force 4, far lower than the erection limit

The jacking pump station must not be used to jack when natural wind exceeds **level 4** — the manual says only “level 4”.

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.355

Ch.9 §7.2.3

Jacking system parked — rod retracted, cross beam hung in

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.355

Ch.9 §7.2.3

Erection — check outrigger verticality and level before installing them

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.109

Ch.5 §3 Erection

New wire rope — run it in at low speed and light load before working it

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.135

Ch.5 §3.8

After every tower erection — filter the luffing oil, then five no-load luffs

The tank holds about 410 L

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.349

Ch.9 §7.1.2

Erection close-out — the records, and verticality under no load

Verticality: once the whole machine is installed, check the verticality of the tower body with no load and the wind speed below 3 m/s

TRIGGERED BY AN
EVENT, NOT A DATE

MANUAL p.108

Ch.5 — Erection and
dismantling

Operational test — what it actually consists of

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p.47

6.3.2

Load test — 105% of rated load, and the overload device must trip

ZOOMLION's own procedure governs; where they give none, the test uses blocks equal to 105% of rated load

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p.48

6.3.3.1

Test blocks — engineered, 3:1 hardware, and never rebar

The blocks themselves: one at the exact weight of the rated load at the radius where load moment is maximum, plus a second at 5% of it, for the...

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p.48

6.3.3.2

Structural NDT — who is allowed to do it

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 47

6.3.1

Major inspection — every 60 months (5 years)

Industry good practice, not law — BC Crane Safety are an association, not a regulator.

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 4

Asme B30.3 §3-2.1.2(b)
(3) and §3-2.1.5

After 10 years, the major inspection becomes annual

Industry good practice, not law — BC Crane Safety are an association, not a regulator.

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 4

Asme B30.3 §3-2.1.5(b)

Major-component inspection — the backstop is 10 years from commissioning

Industry good practice, not law — BC Crane Safety are an association, not a regulator.

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 1

Swp-tc-01

Before any maintenance — the isolation procedure

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 56

7.3.1

Rope replacement — must match the crane maker's spec, and the spec goes in the crane manual

Below -40°C or above 82°C — call the rope maker before using it

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 28

4.11.1

Rope end fittings — hand-spliced terminations are banned

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 28

4.11.2(d)

Any modification to the crane — engineer it, then document it

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 21

4.2

Climbing inside a building — re-ground to the building at the top wedge, every climb

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 36

4.23.2

Before erection — structural components non-destructively inspected, and an engineer verifies repairs are complete and components ready for service

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 48

6.4.2(a)

After erection — retorque all tower bolts after the first 40 hours of service

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 49

6.4.3 (c)

Before erection — components inspected on site for shipping and handling damage

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 43

5.6.1

Before erection — electrical, mechanical and hydraulic components checked by a competent person

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 43

5.6.2

Erection, climbing or dismantling — wind limit 14 m/s (50 km/h)

ZOOMLION states 14 m/s for erect and dismantle, and 20 m/s maximum to work

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 44

5.9.3; R275 §4; RL250
§3

Erection — every hook on the rigging hardware has a safety latch

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 43

5.8.3

Erection — temporary counterweight blocks fastened to the base before the tower is raised

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 44

5.9.5

Before telescoping — crane stabilised and balanced, and a competent person confirms nothing obstructs the mast

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 44

5.9.6.2

Guyed or braced crane — written engineer confirmation that bracing matches the drawing and the host structure is strong enough

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 45

5.9.7.2

Special inspection — after shock loading, a power-line contact, an incident, a repair or a long shutdown

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 50

6.4.8

Back into service after maintenance — guards on, limits tested, air out of the hydraulics

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 56

7.3.2

Anything an inspection finds is fixed before the crane works again

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 56

7.4 (a)

ZOOMLION or CSA — whichever is more frequent is the one that binds

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 48

6.4.1

End of the job — transfer the site records into the owner's log

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 47

6.2.4

Before erection — the NDT certificate, and unique IDs on the major components

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 40

5.2.2 (a)

Sheaves — inspected before a new rope goes on

TRIGGERED BY AN
EVENT, NOT A DATE

CSA p. 55

6.5.4.1

Where this comes from. Built from the ZOOMLION manual for this model and CSA Z248-17. Every figure and quotation was checked back against the source text word for word by script, and every page reference was confirmed to contain the quote it points at. Nothing here is from memory.

What this is not. A schedule is not a substitute for the manual or the standard. Anything structural, anything on the load path, and anything needing a part goes to ZOOMLION or a qualified person. If a line here ever disagrees with the manual, the manual wins — tell QnQ so we fix it.

Handling. CSA Z248-17 is licensed to a single user. Keep this as an internal QnQ document, with the crane and its logbook. Do not publish it.

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