

OPERATOR GREASING REFERENCE · MODEL SPECIFIC

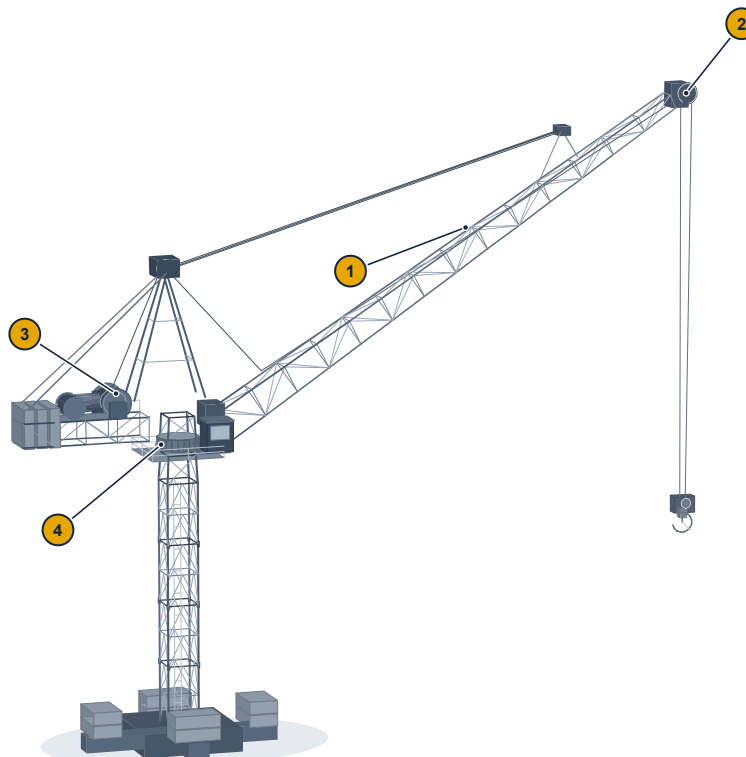
RL250-16RB greasing

Luffing-jib tower crane. This is the only maintenance the crane operator carries out. Everything else on this machine is done by QnQ's crane technician.

Before you start

Most of these points are up the crane, so this is work at height and the usual fall protection applies. Isolate the crane first — nothing gets greased while it is working.

If a point cannot be reached safely, leave it and tell QnQ. We will do it on the next visit.



- 1 Hoist rope (runs the length of the jib) · 2 Rope pulleys / jib head · 3 Drum bearing, on the counter-jib · 4 Slewing bearing

The manual has no lubrication-point drawing, so QnQ drew this locator. **Not to scale.** The raised luffing boom is the right type for this machine, but mast height, section size, boom length and working angle are indicative. Three of the four positions — the slewing ring, the winch on the counter-jib and the boom head — match where ZOOMLION place those mechanisms in the manual's drawings. The hoist rope runs the whole length of the boom, so its marker shows the rope, not a spot. The other four greasing points are listed below by component — ask QnQ if you cannot find one.

What you do: the greasing below, at the intervals shown, recorded in Datum.

What you do not do: adjustments, torque checks, oil changes, wear measurements, brake work, or anything needing a tool other than a grease gun. Those are QnQ's. If something looks wrong — a dry rope, a nipple that will not take grease, a noise, play in a bearing — **write it in the log and call QnQ**. Do not attempt a repair.

1 Wire ropes — hoisting and luffing

WEEKLY

Grease: Graphite calcium-based grease ZG-SSY1405-65

Check the rope is still carrying grease. If it has gone dry, clean it and re-grease.

ZOOMLION RL250-16RB manual • Table 9.6-1 (1)

SHOW ME PDF p.345

2 Rope pulleys and rope-laying wheel shaft

WEEKLY

Grease: 2# general lithium-based grease

Check the pulley turns freely at the same time.

ZOOMLION RL250-16RB manual • Table 9.6-1 (5)(8)

SHOW ME PDF p.345

3 Drum bearing

WEEKLY

Grease: 2# general lithium-based grease

ZOOMLION RL250-16RB manual • Table 9.6-1 (3)

SHOW ME PDF p.345

4 Slewing bearing — raceway and tooth surface

WEEKLY, AND EVERY 100 OPERATING HOURS

Grease: Raceway: 2# extreme-pressure lithium base grease. Tooth surface: 2# general lithium-based grease.

Pump grease in while the slewing bearing is turned fully round, so it fills evenly, and keep going until fresh grease comes out of the seal belt. Clean debris off the exposed tooth flank first. NEVER wash the slewing bearing with water — it drives water into the race. Keep hard objects away from the tooth area. Do not mix grease types.

ZOOMLION RL250-16RB manual • §6.3

SHOW ME PDF p.346

5 Slewing bearing when the crane is IDLE

EVERY 3 MONTHS

Grease: 2# extreme-pressure lithium base grease

This one catches people out. A crane parked on site between pours still needs its slewing bearing greased every three months. Exposed parts and holes also need rust-proofing and a look over.

ZOOMLION RL250-16RB manual • §6.3 (2)

SHOW ME PDF p.346

6 Anti-twist device bearing

EVERY 6 MONTHS

Grease: 2# general lithium-based grease

Listed in the lubricant table but with no interval of its own, so QnQ has put it with the 6-monthly nipple round.

ZOOMLION RL250-16RB manual • Table 9.6-1 (7)

SHOW ME PDF p.345

7 Hook bearing

EVERY 6 MONTHS

Grease: 2# general lithium-based grease

The hook block runs on a ball thrust bearing with a lubricating oil hole. The manual says to grease it regularly without giving a figure, so QnQ has put it with the 6-monthly round.

ZOOMLION RL250-16RB manual • Table 9.6-1 (9)

SHOW ME PDF p.345

8 All lubricating nipples

EVERY 6 MONTHS

Grease: As per Table 9.6-1 for that point

Work round every nipple. A nipple that will not take grease gets reported, not forced.

ZOOMLION RL250-16RB manual • ch.9 §1

SHOW ME PDF p.295

Where this comes from. Every grease type, interval and method above is taken from the ZOOMLION manual for this model — Table 9.6-1 and chapter 9. The greases are **not** the same on QnQ's two cranes, which is why this form is per machine. Do not work from the other one.

If in doubt, ask. QnQ Solutions Ltd · qnqsolutions.ca

Issued 10 August 2026 · keep with the crane