

Vacuum tube lifter: daily pre-use checklist and weekly checks

Industry practice compiled from public guidance and manufacturers' manuals. The manual of your model and your local inspection rules take precedence. Switch off and isolate the power before any maintenance or repair. A lifter that fails any check is taken out of use until the fault is corrected; a damaged lifting tube is replaced, not patched.

Lifter model / serial no.: _____ Site / station: _____ Week of: _____

Daily pre-use checklist, before the first lift of the shift (tick OK, or mark X and stop)

#	Check	OK when	Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	Inspection and service date still valid	Not expired							
2	Lifting tube and wear cover: no cuts, bulges or wear-through	No damage							
3	Hoses and clamps tight, no hissing	No leaks							
4	Pad seal intact and clean	Intact, no debris							
5	Pad or quick-change coupling locked; where colour-coded, codes match	Locked, matched							
6	Filter not visibly clogged; clogging indicator normal, where fitted	Normal							
7	Handle lifts, lowers, holds and releases smoothly	Smooth control							
8	One test cycle with a typical load: grip, lift, hold, lower, release	All steps normal							
9	Crane or rail moves freely, no unusual noise	Smooth							
10	Capacity and warning labels legible	Legible							
11	Vacuum gauge or indicator normal, where fitted	Normal							
12	Nobody under the load; loads carried low	Complied							

Operator initials per day: _____

Weekly checks by the operator (quarterly: in-house maintenance repeats these and checks the crane or rail; yearly: authorised service to the manufacturer's report)

#	Weekly item	OK / X	Note
1	Yearly service date still valid		
2	Bolts and nuts undamaged		
3	Power-off safety test as described in your model's manual (typically: a dense load of about the rated capacity lifted to about 1 m, handle closed, pump switched off; on such lifters the load sinks slowly under control). If the load does not behave as the manual describes, take the lifter out of use and call the supplier		
4	All connections: tube clamps at both ends, trolley hanger pin, hose clamps, pad bolts		
5	Pump-side and pad filters cleaned, more often in dust		
6	Lifting tube and hoses undamaged, replaced at once if not		
7	Capacity and warning labels legible		
8	Smooth travel on the rail or arm		
9	Operating valve working		
10	The lifter still reaches its rated capacity; a drop means a leak		

Checked by: _____ Date: _____ Next yearly service due: _____

Intervals and items are industry practice; warranty terms are confirmed in the quotation. Keep the completed sheets with the lifter's inspection records.
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File: maintenance-checklist-v1.pdf · Full schedule, wear parts and troubleshooting: polarmachinery.com/resources/maintenance-checklist/