

SERVICING AN ELECTRIC LIFT TRUCK

GENERAL LIFT TRUCK MAINTENANCE AND LUBRICATION

Internal checks:

- Battery - Electrolyte level and charge.
- Hydraulic tank level--dipstick.
- Speed reducer and differential - Check fluid level.
- Brake fluid - Check fluid level.

Controls (start lift truck) Immediately check noises that are not normal:

- Park brake - operates correctly.
- Service brake - operates smoothly and correctly.
- Steering operation - operates smoothly and correctly.
- Drive control - forward/reverse - operates correctly.
- Lift and lowering control - operates smoothly and correctly.
- Tilt control - Operates smoothly and correctly forward and backward.
- Attachment controls - operates smoothly and correctly.
- Horn - operates correctly
- Lights - operates correctly

Gauges:

- Hour meter - operates
- Battery discharge indicator - operates

Lubrication check: use compressed air to clean. inspect for damage.

- Lubricate - all fittings and friction surfaces.
- Mast pivots. (2 fittings)
- All linkages.
- Friction surfaces of mast.
- Friction surfaces of carriage or attachment.

- Clean and lubricate lift chains.
- Clean and fill wheel bearings with grease.
- Hydraulic oil filter element("IR"-filter 1st. 100 hours)<>
- Hydraulic tank breather.
- Differential/speed reducer gear oil.

Hydraulic system check:

- Lift cylinders for leaks.
- Tilt cylinders for leaks.
- Lift pump for noise and operation.
- Power steering pump for noise and operation.
- Hydraulic control valve for leaks and operation.
- All hoses, tubing, and fittings for wear and leaks.
- For general leaks.
- Hydraulic oil level.

Mast, carriage, and attachment check:

- Mast and carriage stops.
- Mast channel wear.
- Mast rollers and wear strips.
- Carriage rollers.
- Chain anchors, adjustment.
- Chains for cracks and wear.
- Forks

Drive assembly:

- Brake drums and linings.
- Wheel nuts--Tighten to 175-225 lb.ft.