



**FORKLIFT MAINTENANCE?
CHECK!**



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The ultimate forklift maintenance checklist makes maintaining your forklift a breeze! Learn what maintenance tasks to do at what intervals. After 250 operating hours, you'll begin minor maintenance on your forklift. You'll repeat these tasks after 500 hours, when you perform intermediate maintenance. After 2,000 hours, or at the latest 1 year after previous maintenance, it's time for major maintenance. This includes repeating all minor and intermediate maintenance tasks. These are general guidelines, always take into account the manufacturer's guidelines in the service manual of your machine.



PREPARATION AND CLEANING

- ☐ Protect yourself and wear appropriate clothing
- ☐ Look at the machine. Check for damage, leaks, etc.
- ☐ Clean up the operator's compartment
- ☐ Clean the machine with steam or compressed air
- ☐ Clean the safety symbols and decals
- ☐ Clean the electronics



THE ENGINE (ONLY FOR ENGINE-POWERED FORKLIFTS)

► Minor maintenance – every 250 hours of use

- ☐ Remove filler caps to release excess pressure
- ☐ Change the engine oil and oil filter
- ☐ Fill up your coolant
- ☐ Add antifreeze to your coolant if necessary
- ☐ Clean the engine cooling system
- ☐ Clean or change the air filter
- ☐ Inspect the drive or fan belt for damage and tension
- ☐ Check the fuses in the fuse box
- ☐ Check the hoses for any leaks
- ☐ Refuel petrol and check for leaks
- ☐ Add AdBlue
- ☐ Bleed the fuel system
- ☐ Refuel LPG and check for leaks
- ☐ Tighten the cylinder head bolts
- ☐ Adjust engine idle speed and ignition timing
- ☐ Check the meters and warning lights
- ☐ Listen to the engine for irregularities
- ☐ Check the colour of the exhaust gases

► Intermediate maintenance – every 500 hours of use

- ☐ Change the fuel filter or clean the LPG filter
- ☐ Check and adjust valve clearance if necessary
- ☐ Replace the spark plugs for gas and petrol machines
- ☐ Drain the water separator and clean the radiator
- ☐ Clean the radiator exterior and replace the fuel filter
- ☐ Make sure you replace the points, the condenser and the set timing



► **Major maintenance – every 2,000 hours of use**

- ☐ Replace the coolant
- ☐ Check and replace fuel filter, fuel strainer element and water separator
- ☐ Replace the distribution belt and other seals such as the gasket seal
- ☐ Clean or replace the interior ventilation filter
- ☐ Torque the engine head bolts and manifold nuts



THE BATTERY OF AN ENGINE-POWERED FORKLIFT

► **Minor maintenance – every 250 hours of use**

- ☐ Is the battery clean? Are the connectors damaged, burned or oxidised?



ELECTRIC MOTORS: TRACTION AND PUMP MOTORS (ONLY FOR ELECTRIC FORKLIFTS)

► **Minor maintenance – every 250 hours of use**

- ☐ Listen to the motor for irregularities
- ☐ Check the brushes and springs
- ☐ Check the thickness and surface of the commutator

► **Major maintenance – every 2,000 hours of use**

- ☐ Adjust the motor current
- ☐ Check the clearance of the bearings
- ☐ Are the power cables and connectors still in good condition?



THE BATTERY AND CHARGER OF AN ELECTRIC FORKLIFT

► **Weekly maintenance tasks**

- ☐ Clean the battery
- ☐ After charging, top up the cells with demineralised water
- ☐ Check the electrolyte levels
- ☐ Perform an equalisation charge

► **Minor maintenance – every 250 hours of use**

The battery

- ☐ Replace the battery if damaged
- ☐ Check the temperature of the connections
- ☐ Tighten loose battery bolts
- ☐ Maintain oxidised battery bolts
- ☐ Check the connectors and cables for damage, burning or corrosion
- ☐ Clean the top of the battery housing
- ☐ Measure the gravity of the electrolyte
- ☐ Secure the hood latch
- ☐ Wash your hands

The charger

- ☐ Inspect cables, micro-switches and connectors for wear and damage
- ☐ Inspect AC and DC fuses
- ☐ Clean and ventilate charger cabinet
- ☐ Blow out circuit boards with high pressure air

► **Intermediate maintenance – every 500 hours of use**

These tasks should be performed every 3 to 6 months.

- ☐ Clean the battery thoroughly with a steamer and dust off the interior of the charger and all power connections



TYRES

► **Minor maintenance – every 250 hours of use**

- ☐ Is there any damage to the tyres or deformation of the wheels?
- ☐ Increase the tyre pressure of your pneumatic tyres
- ☐ Inspect the treads for excessive tread wear
- ☐ Tighten wheel and hub nuts properly and evenly

► **Major maintenance – every 2,000 hours of use**

- ☐ Replace the wheel bearing grease



MAST & FORKS

► **Minor maintenance – every 250 hours of use**

- ☐ Tighten loose nuts and bolts
- ☐ Clean the mast and lubricate if necessary
- ☐ Lubricate all lubrication points of the frame via the lubrication nipples
- ☐ Visually check the mast and load protector for deformation
- ☐ Check the operation of the mast by using the lifting and tilting levers
- ☐ Check the attachment of the shock absorber
- ☐ Lubricate the chain

► **Intermediate maintenance – every 500 hours of use**

- ☐ Check the mast chains and pulleys for wear
- ☐ Check the chain tension
- ☐ Check the clearance of the chain when the fork carriage has reached its maximum free lift height

► **Major maintenance – every 2,000 hours of use**

- ☐ Inspect the wear, cracks and thickness of the forks (and especially their fixing on the carriage)



THE CHASSIS

► Minor maintenance – every 250 hours of use

- ☐ Tighten loose nuts and bolts
- ☐ Lubricate all lubrication points of the drive and steering wheels and the lubrication nipples
- ☐ Check the level of transmission and differential oil
- ☐ Check the steering and transmission
- ☐ Replace the transmission filter
- ☐ Check if any of the warning lights are showing

► Major maintenance – every 2,000 hours of use

- ☐ Check the suspension rubber for hardening
- ☐ Replace the transmission filter and oil



THE HYDRAULICS

► Minor maintenance – every 250 hours of use

- ☐ Check the hoses for leaks
- ☐ Check the hydraulics for leaks and replace seals if necessary
- ☐ Check the level and cleanliness of the hydraulic oil. Add oil if necessary

► Intermediate maintenance – every 500 hours of use

- ☐ Inspect the tilt and lift cylinders visually
- ☐ Inspect the hydraulic pump for leaks
- ☐ Replace the hydraulic filter

► Major maintenance – every 2,000 hours of use

- ☐ Are all fittings and couplings still firmly attached?
- ☐ Does the pump have enough pressure?
- ☐ Change the hydraulic oil



THE BRAKES

► Minor maintenance – every 250 hours of use

- ☐ Check if the brake pedal and handbrake work and return properly
- ☐ Top up the brake fluid
- ☐ Blow out brake dust and clean the brakes

► Intermediate maintenance – every 500 hours of use

- ☐ Check the brake pedal and hand brake
- ☐ Are the pipes, rods, cables, wheel brake cylinders (brake booster) and the main brake pump operating properly?

► Major maintenance – every 2,000 hours of use

- ☐ Change the brake fluid
- ☐ Check the brake pads and brake drums for wear



LIGHTS, SEAT BELT AND OTHER ACCESSORIES

► Minor maintenance – every 250 hours of use

- ☐ Are all the lights functioning as they should be?
- ☐ Check the horn and back-up alarm
- ☐ Does the key switch shows any abnormalities?
- ☐ Inspect the seat belt

► Major maintenance – every 2,000 hours of use

- ☐ Refill the A/C station



PAINTING & DECALS

► Minor maintenance – every 250 hours of use

- ☐ Ensure all decals are in the right place, visible and legible

► Major maintenance – every 2,000 hours of use

- ☐ Repaint your machine



Do you want to know more about the maintenance tasks in this checklist?
Have a look at our full '[Forklift maintenance checklist](#)'

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