



TYM Tractor Maintenance Table and Guide

Area	Items	Daily	Service Interval (Hours)													Annual	
			50	100	150	200	250	300	350	400	450	500	550	600	1 yr.	2yrs.	
Engine	Engine Oil and Filter	✓	•		☐ ✎		•	✎			✓			✎			
	Air Cleaner	•		☐		✓		✎									
	Radiator Coolant	•														✎	
	Fuel	•															
	Fuel Filter	•		✓ ☐	☐	✓	•						✎		✎		
	Fan Belt	•															
	Battery	•		✓													
	Loose Nuts and Bolts	•				✓											
	Radiator Hose Clamp/Fins	•				✓								✓			
Chassis	Transmission Oil and Filter		•					✓								✎	
	Front Axle Oil		•					✓								✎	
	Fuel Strainer		☐						☐								
	Brake Pedals	•															
	Lever Operation	•															
	Steering Wheel Frame Rotation and Joint	•						✓									
	Toe-In	•						✓									
	Wheel Hub	•						✓									
	Wheel Nut Torque	•															
	Electrical Wiring	•															
	Hydraulic Hoses & Connections	•															

Key to symbols:

✓ Check, top-off, or adjust

☐ Clean

• Critical Maintenance

✎ Replace



Daily Maintenance and Safety Inspection

- Tire pressure, wear, or damage
- Oil or water leakage from tractor or implement
- Engine and transmission oil, radiator and recovery tank, coolant and fuel level
- Damage to tractor body, tightness of all bolts, nuts, and pins
- Implement and accessory blades and belts for wear and damage
- Parking brake, speed control lever, all safety switches, and easy checker functions
- Abnormal noises or vibrations
- Daily cleaning-radiator screen and core, panel and hood screens, air cleaner primary element

50 Hours

- After completing 50 hours, you are required to replace your tractor's engine oil and oil filter to keep your engine running smoothly.
- To replace your engine oil, park your tractor on a level surface and shut off the engine. Remove the sump plug and drain the oil. Refill the engine oil to the correct level on the dipstick, which should be approximately 2.7 L (0.71 gallons). Replace the sump plug and check for any leaks.
- To change the oil filter, use a wrench and turn the filter counterclockwise to remove it. Lightly smear the rubber seal on the new filter with oil before closing and tightening it.

100 hours

- Inspect your battery, starting with the indicator. A green light in the indicator means your battery is in good condition. If the indicator is in black, then it means you need to replace your battery.
- Check the electrolyte level in each battery cell. Low electrolyte levels can cause premature battery failure and corrosion.
- Clean all dust and dirt off the battery to avoid moisture from building up and slowly discharging it over time.
- Inspect your fuel filter for any clogs or water contamination. If left unchecked, contaminants can damage your engine internally.
- To clean the fuel filter, close the fuel cock and remove the fuel filter. Wash it with clean diesel fuel. If necessary, replace it. Place it back once done before bleeding the fuel system.
- To bleed the fuel system, open the cock on the fuel injection pump. Fill the tank with fuel and turn the ignition on. Start the engine and allow it to run for a few minutes before closing the fuel injection pump cock.



150 hours

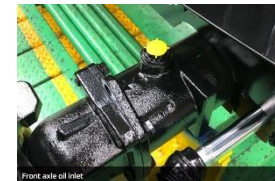
- When your tractor has reached 150 hours of operation, it's time to replace the engine oil again. Fresh and clean engine oil keeps your engine in top shape and helps extend its life span.
- Make sure to clean your tractor's fuel filter at this point as well. Never use petrol, thinner, or any other flammable material to clean the fuel filter.

200 hours

- At 200 hours of operation, do a full inspection of your battery. Clean and top up electrolytes, if necessary.
- Check your fuel filter and see if there is any contamination. Clean and make sure to change the fuel filter, if needed.
- Inspect your air filter for any mud, dirt, or debris. Use compressed air to blow out dirt from the backside of the unit. If the rubber ring is cut or looks deformed in any way, replace it with a new one. Put the clean or new rubber ring in its proper place and check for any leakage.
- Make sure to clean and properly maintain the air cleaning system. Any dirt, debris, or damage could lead to your tractor's piston rings and sleeves early wearing.
- Check your radiator fins and screens for any dust or dirt and inspect your radiator fluid level. If the fluid level gets low, your tractor could easily overheat. Flush out the old radiator fluid and refill it with a fresh one to the level recommended in your tractor's operator manual.
- Inspect the air cleaner. Check that the dust valve is not blocked and the rubber flaps are in good condition. If there are too many cuts and nicks on the rubber flaps, replace them with a new one.
- To remove the dust from the dust valve, squeeze it between your thumb and fingers. Wipe away the dust collected on the outside.
- To clean the air cleaner, release the two clips to the end cover and remove the component. Blow compressed air through it to remove dust. Check if there is any damage and, if necessary, replace it with a new one.
- Check all connections and hoses, especially on the clean side of the air cleaner, to ensure no dusty air can enter the engine.

250 hours

- Upon reaching 250 hours, check your fuel filter and clean it with diesel fuel.
- Replace the engine and oil filter with a fresh one to ensure your engine runs smoothly.



300 hours

- At 300 hours, check your tractor's transmission oil level with the level gauge on the rear of the transmission. If the level is low, add oil through the filler hole.



- Change the oil in the front axle by draining the oil from the center and drain plugs in each drive. Replace and tighten all the drain plugs. Remove the Fill/Lever plugs from each final drive to vent air. Remove the dipstick from the filter hole and fill with front axle oil up to 3.2 L (0.85 US gal). Allow time for the oil to drain into the final drives.
- It takes a while for the oil to run into the final drives, so sometimes, the oil level on the dipstick reads too high. Opening the vent plugs helps to speed this up. Replace the Fill/Lever plugs on both final drives and tighten.
- Check the toe-in if it needs any adjustment. The correct toe-in should be between 2 to 6 mm (0.08 to 0.24 in). If the toe-in adjustment is incorrect, it can cause severe shaking of the steering wheel and the entire tractor. In such cases, we recommend having the adjustment made by your local dealer.
- Check the steering wheel joint if it has any excessive free play. The allowable range should be about 50 mm (1.97 in) of the wheel.
- Inspect the grease in the front wheel hub and top-up, if needed.

350 hours

- Upon reaching 350 hours, make it a habit to check and clean your tractor's fuel filter every 50 hours completed. Making sure your tractor is running with a fresh fuel filter helps improve your engine's efficiency and enhances your tractor's productivity.
- From 350 hours, change your engine oil every 100 hours completed. Make sure to drain the old engine oil completely to avoid contaminating the fresh and clean replacement oil.

450 hours

- Check the oil filter for any clogs. It is highly recommended to change it at this point to ensure your engine runs smoothly.

600 hours

- Replace the fuel filter and air cleaner with a new one.
- Clean and wash the radiator fins and screens.

Guidelines from TYM (2024) For more information visit: <https://tym.world/en-us/parts-and-support/useful-resources/major-service-checklist/>