



SNS COLLEGE OF TECHNOLOGY

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Coimbatore – 35**

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DEPARTMENT OF AGRICULTURE ENGINEERING

19AGE307 – ERGONOMICS OF FARM MACHINERY AND IMPLEMENTS

III – YEAR VI SEMESTER

UNIT 4 – MAINTENANCE OF IMPLEMENTS

TOPIC – PREPARING THE TRACTOR FOR STORAGE



PREPARING THE TRACTOR FOR STORAGE

1. Keeping your machine clean is the first step toward having a well maintained machine. So here's a tip. A pressure washer, with a hose and wand, is a mighty handy tool to have around. Gas or electric-powered. Whichever suits your particular situation better. It will make cleaning your tractor so much easier than just using a garden hose and spray nozzle.
2. The OM will tell you to lubricate all grease points. Some of those points look like a small, metal nipple and are called grease zerks. You see them on implements, too. Attach a grease gun to the zerk and inject grease. This will keep all the joints and wear points on your tractor in good working order and help them last longer.



3. Air pressure is important. So an electric air compressor is another handy tool to have around. You can inflate tires to the proper psi. Add an air nozzle and you can clean the tractor's engine compartment, and more.

4. Battery maintenance and storage is another important step. A battery maintainer is a device that will send a trickle of electricity to the battery and fool it into thinking it's in use. Helps keep your battery alive and in good working order.



TIPS FOR TRACTOR STORAGE

1. Find a cool and dry storage area
2. Clean your tractor
3. Perform repairs and maintenance
4. Check the engine thoroughly
5. Disconnect the battery
6. Prepare the tires
7. Read your manufacturer's manual



WORKING OF TOP END OVERHAULING



- **Find a Cool and Dry Storage Area**
- The first thing you need to do is to find the proper storage area for your tractor. Leaving it exposed to different environmental elements can cause irreversible damage to your farm equipment.
- Make sure to store it indoors in a dry and cool area, away from sunlight, heat, and moisture. It's best to store the tractor indoors, but if you have to store it outdoors, use a waterproof cover to protect the machine. Jack the tractor upwards and have the tires off the ground by placing blocks under the front and rear axles.
- **Clean your Tractor**
- Before you store your tractor, make sure to give it a good cleaning first. You will be storing your farm equipment for a long time, so if you want to be able to use it with minimal preparation, make sure that it's clean. This will also preserve the condition of the tractor and protect it from long-term damage caused by dirt and debris.



FUEL SAVING TIPS



- **Perform Repairs and Maintenance**

- Other than cleaning, take some time to inspect your tractor. Perform repairs and replacements if you find signs of damage. It's better to correct problems now, to prevent them from worsening over time. This way, you can immediately use your tractor the next time you need it.

- **Check the Engine Thoroughly**

- Make sure to check the engine properly before storing the tractor, so you can ensure that it will work properly next time you use it. Inspect the engine area and clean it. Check the engine oil, coolant, and filters, and top off fluid levels when necessary. Drain the oil and replace the filter, especially when the oil is discolored and sludgy. In addition, don't forget to drain the fuel and put in fresh fuel. A fuel stabilizer is important too.



- **Disconnect The Battery**

- When you need to store the battery for a long time, you need to remove the battery from the tractor. It's also important to adjust the electrolyte to the proper level. Store the battery in a dry place away from sunlight.
- Keep in mind that the tractor battery can self-discharge. Check on it frequently and recharge every 3 to 6 months, depending on the weather.

- **Key Takeaway**

- It's important to prepare a tractor prior to storage, so you can lessen long-term damage due to dirt and grime, solve small problems before they worsen, protect it from the elements, and keep the tractor in the best condition. If you want to know the exact procedures, you can consult your manufacturer's manual for more information for tractor storage.



Thank You!