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TUCKER-TERRA^(R) MAINTENANCE



This is the outline we use for preventative maintenance on the rubber track and it can be used for a guide on the steel track Tuckers. Please notice this is several pages long.

Engine: The Tucker-Terra is powered by a Cummins QSB series diesel engine.

1. Engine Air Filter:

A. Check for restriction every 250 hours or 3 months whichever occurs first.

2. Engine Lubricating Oil:

Check oil level daily.

Change oil and filter every 250 hours or 3 months whichever occurs first.

3. Engine Coolant:

Check coolant level daily.

Check antifreeze concentration mixture (500 hours or 6 months whichever occurs first)

Drain, Flush, and fill cooling system with new coolant once a year or at the beginning of every season.

4. Fuel Filters:

Drain fuel water separator daily.

Change all fuel filters every 500 hours or 6 months whichever occurs first.

Change FS22000 filter every 6 months or 500 hours whichever occurs first.

Drive Train: The Tucker-Terra is equipped with an automatic transmission, Tucker transfer-case, and Dana differentials.

1. Transmission:

Check transmission fluid daily.

Change transmission fluid and filter every 500 hours or 12 months whichever occurs first.

2. Transfer-case:

Check fluid level daily

Change fluid and Filter every 12 months or at the beginning of every season.

3. Drivelines:

Grease universal joints and slip yokes every 25 hours

Inspect and torque universal joints every 500 hours.

4. Differentials:

Check fluid level monthly.

Replace fluid every 12 months or at the beginning of every season.

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Track System: The Tucker-Terra is equipped with an all rubber track.

Note: keep tracks covered away from sun light when not in use. When storing the machine keep the tracks parked on a flat surface (shop floor, boards etc.).

1. Tracks:

Track adjustment should be checked monthly. Tracks should be set with 5/8" of sag between center wheel and track.
Tracks should be inspected for damage every 12 months

2. Track Carriers:

Grease journals at the beginning and end of every season.
Track adjustment system should be greased and inspected at the beginning and end of every season.
Inspect track carriers for any damage every 12 months or at the end of every season.

3. Wheels:

Wheel bearings should be removed, cleaned, inspected, and greased at the end of every season.
Inspect wheels for any damage every 12 months or at the end of the season.

4. Sprockets:

Inspect and torque sprockets every 12 months.

5. Leaf Springs:

Inspect springs for cracks at the end of every season.
Torque u-bolts every 12 months or at the end of every season.

Hydraulic System:

1. Hydraulic Fluid:

Check hydraulic fluid level daily.
Replace hydraulic fluid and filters every 12 months or at the beginning of every season.

2. Hydraulic Components:

Inspect all cylinders for leaks and damage every 12 months or at the end of every season.
Inspect all hoses for leaks and damage every 12 months or at the end of every season.
Inspect pump and mounting hardware every 12 months.

Chassis:

1. Steering System:

Inspect steering swing every 12 months or at the end of the season.
Inspect all tie rods and tie rod ends (12 months or at the end of the season).
Grease all tie rod ends every 25 hours.
Grease all turn blocks every 25 hours.
Grease fifth wheel bosses every 25 hours.

2. Plow System:

- A. Inspect all pins and mounting hardware every 12 months or at the end of every season.
- B. Inspect blade and push-frame for cracks every 12 months or at the end of every season.

3. Frame:

Inspect frame for cracks every 12 months or at the end of every season.

Brake System:

1. Caliper:

Inspect caliper for any leaks every 12 months or at the end of every season.
Inspect brake pads every 12 months or at the end of every season.

2. Master Cylinder:

- Inspect master cylinder for leaks every 12 months or at the end of every season.
- B. Check pedal adjustment every 12 months or at the beginning of every season.
- C. Check fluid level daily.

3. Emergency Brake:

- A. Check handle adjustment every 100 hours and at the start of every season.
- B. Check cable adjustment every 12 months or at the start of every season.

Electrical:

1. Battery:

- Clean terminals every 12 months.
- Load test every 12 months.

2. Alternator:

- Check charging voltage every 12 months or at the beginning of every season.
- Check for loose or damaged wires every 12 months.

3. Starter:

- Check for damaged cables and wiring every 12 months.
- Check starter for proper operation every 12 months or at the beginning of every season.

4. Lights and Other Components:

- Check all lights for proper operation daily.
- Check all gauges for proper operation daily.
- Check heated mirrors for proper operation at the beginning of every season.
- Check wiper operation at the beginning of every season.
- Check heater fan operation at the beginning of every season.