

# 500 SERVICE MANUAL



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## SECTION 1: SERVICING

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## SECTION 1: SERVICING

### 1 Introduction

This section contains general information about specifications, capacities, lubricants, fluids and fuels for the tractor as a whole. A troubleshooting subsection will make reference to other service sections in the manual, which cover the tractor in greater detail.

### 2 Towing/Transporting

#### 2.1 GENERAL

Towing or transporting a large four wheel drive tractor is a big job. Below are listed some recommendations to follow.

#### NOTE

*Tractor cannot be tow started; the hydraulic clutch requires power to engage.*

#### 2.2 TOWING

Take the following precautions when towing is necessary:

1. Use a strong chain, cable or towbar and attach securely to the front plate or drawbar of tractor.
2. Let engine run, if possible, so that full use is made of hydrostatic steering.
3. Tow tractor slowly to allow operator to control it.

#### NOTE

*If engine can not be started, pull tractor in a gradual arc across the field. Steering tractor will be difficult.*

#### IMPORTANT

***Do not tow tractor faster than 10 mph (17 km/h)***

***Do not slide tractor from side to side to maneuver into place for repair. Damage to drivetrain will result.***

4. Use a strong front end loader to pick up either front or rear of tractor and push (and articulate) into the service area.
5. Disconnect drivelines when transmission or axles need repair or overhaul.

#### 2.3 TRANSPORTING

For long distances, hauling the tractor on a trailer is best. Use the following procedures when hauling the tractor:

1. Check with local authorities as to laws, permits required and other information required to transport large machinery.
2. Use a trailer having the carrying capacity (30,000 lbs.) to haul tractors and other large machinery.
3. Use "wide load" signs and equip trailer with clearance lights to indicate load to passersby.
4. Equip trailer with a winch (minimum 10-ton capacity) to pull tractor onto trailer.
5. Securely chain tractor to trailer to prevent tractor movement or tipping.
6. Block wheels and/or engage parkbrake to prevent tractor movement.
7. Inspect chains regularly, looking for cracks, gouges, wear, bent links, worn or bent hooks. Repair any damaged links and hooks.

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