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MANUAL PREVIEW

Versatile
Operator's Manual
700

JENSALES

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INTRODUCTION

We at VERSATILE Manufacturing Ltd. are pleased that you have chosen a VERSATILE Four-Wheel Drive Tractor for your farming operation. The founders of VERSATILE have pioneered the development of the four-wheel drive tractor for agricultural use. It has evolved through the ideas and suggestions which have been submitted to us by customers such as yourself.

We ask that you study this manual and adopt the preventative maintenance program outlined in it. Preventative maintenance will provide you with trouble free service for years to come. The suggested schedule has been designed to meet most operating conditions. It may be necessary to adjust your maintenance program to suit your specific operating conditions and to perform the maintenance more often than outlined.

As the purchaser of a VERSATILE Four-Wheel Drive Tractor you have also received a Cummins' Operation and Maintenance Manual. We would ask that for maintenance on the engine which is not covered by your tractor manual, you follow the instructions outlined in the Cummins manual. Before placing the tractor in service become familiar with all the procedures described in both the engine manual and the tractor manual.

Your dealer is factory-trained to provide you with genuine parts and professional repair service. Consult him regarding your service needs. He is working for you.

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SERIAL NUMBER LOCATIONS

Important: When ordering parts, state the serial number of the tractor and/or engine, whichever applies. The tractor serial number is stamped on the rear of the front frame section and also appears as a metal tag near the clutch pedal in the cab. The engine (Cummins) serial is on a metal tag located on the rear of the engine's left hand cylinder bank.

Write your model and serial number
information here:

TRACTOR

MODEL **700**

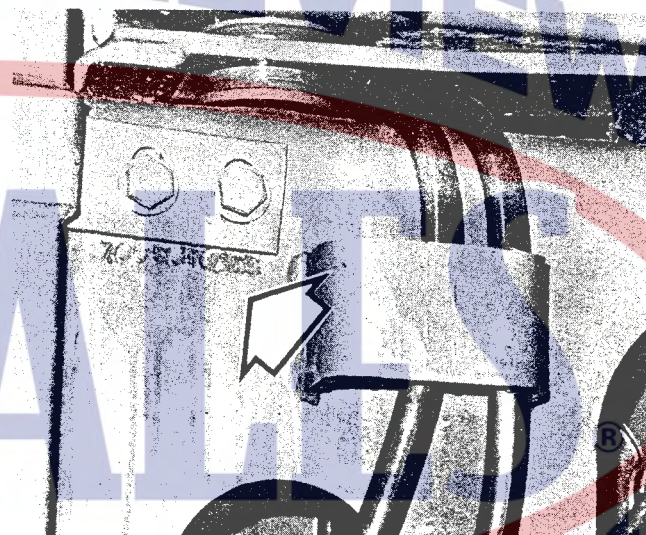
SERIAL _____

ENGINE

MAKE **Cummins**

MODEL **V555**

SERIAL _____



FRAME STAMP



CAB PLATE



ENGINE PLATE

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MODEL 700 TRACTOR

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SPECIFICATIONS

Horsepower:

Engine, maximum Brake Horsepower at 2850 -- 210

Drawbar Horsepower (estimated) -- 167

Dimensions:

Wheel Base -- 130 in. (3302 mm)

Length Overall -- 253 in. (6426 mm)

Height Overall -- 130 in. (3302 mm) to top of stack*

Height to Drawbar -- 17 in. (432 mm)

Height to Differential -- 23 in. (584 mm)

Height to Frame -- 22 in. (559 mm)

Width -- (see tire size)

Weight:

Maximum Operating Weight -- 28000 lbs. (12700 kg)

Recommended Operating Weight -- 22500 - 25000 lbs. (10206 - 11340 kg)

Tire Size and Tractor Width:

18.4 x 38 DUALS

● between Tread Centers

Inner Tires -- 72 in. (1829 mm)

Outer Tires -- 118 in. (2997 mm)

● Tractor width (outsides of tires)

Inner Tires -- 90.5 in. (2299 mm)

Outer Tires -- 137 in. (3480 mm)

20.8 x 38 DUALS

● between Tread Centers

Inner Tires -- 72 in. (1829 mm)

Outer Tires -- 122 in. (3099 mm)

*Different tire sizes affect height negligibly.

Transmission:

- Tapered roller bearings 12-speed, fully-constant mesh.
- Four shafts, 3 in. (76.2 mm) diameter. Pressure lubricated.
- Range and Shift levers.
- Helical forward gears, spur reverse gears.

● SPEEDS AT 2850 RPM with 24.5 x 32 TIRES

RANGE	1	2	3	4
1st gear	2.6 mph	3.1 mph	3.5 mph	4.1 mph
2nd	4.7	5.6	6.3	7.4
3rd	9.1	10.8	12.2	14.5
Reverse	3.4	4.0	4.5	5.3

(kph = mph x 1.6)

Axles:

Spiral bevel differentials. Planetary final drives.

Brakes:

Drive-line mounted, 15 in. (381 mm) self-adjusting disc and caliper. Parking brake -- mechanically actuated caliper.

Clutch:

Dana-Spicer[®], 14 in. (356 mm), two-plate dry type with ceramic button lining. Mechanically actuated by foot pedal.

Steering:

Articulated frame, 42° left or right. Fully hydrostatic actuation via two 16.5 in. (419 mm) stroke cylinders.

Drawbar:

Swinging clevis type with wear block. One and one-half in. (38.1 mm) pin with locking lever. Replaceable bushings. Height -- 18 in. (457 mm) to top of main member.

Frame:

Articulated via two ball bushings between front and sub-frame. Oscillation capability -- 15°.

Electrical:

Two, 204-Amp hour batteries. Negative ground. 12-Volt, 58 Amp Alternator.