### **Information and Instructions**

This individual shop manual is one unit of a series on wheel type tractors. Contained in it are the necessary specifications and the brief but terse procedural data needed by a mechanic when repairing a tractor on which he has had no previous actual experience.

The material is arranged in a systematic order beginning with an index which is followed immediately by a Table of Condensed Service Specifications. These specifications include dimensions, fits, clearances and timing instructions. Next in order of arrangement is the procedures paragraphs.

In the procedures paragraphs, the order of presentation starts with the front axle system and steering and proceeding toward the rear axle. The last paragraphs are devoted to the power take-off and power lift systems. Interspersed where needed are additional tabular specifications pertaining to wear limits, torquing, etc.

#### **HOW TO USE THE INDEX**

Suppose you want to know the procedure for R&R (remove and reinstall) of the engine camshaft. Your first step is to look in the index under the main heading of ENGINE until you find the entry "Camshaft." Now read to the right where under the column covering the tractor you are repairing, you will find a number which indicates the beginning paragraph pertaining to the camshaft. To locate this wanted paragraph in the manual, turn the pages until the running index appearing on the top outside corner of each page contains the number you are seeking. In this paragraph you will find the information concerning the removal of the camshaft.

## SHOP MANUAL

# **OLIVER**

## MODELS SUPER 44-440

#### **IDENTIFICATION**

Tractor serial number and tractor specification number plate is located on the clutch shaft cover at rear of battery. Engine serial number is stamped on left side of cylinder block.

### INDEX (By Starting Paragraph)

<b>AXLE, FRONT</b>	ENGINE—Continued
<b>AXLE, REAR</b>	Timing Gears
BELT PULLEY 73	Valve Guides 12
	Valve Springs 12
BRAKES 70	Valves and Valve Seats
CLUTCH	FINAL DRIVE AND TRANSMISSION
Engine Clutch 50	Bevel Drive Pinion
Engine Clutch Shaft, Removal	Bevel Gears Renew 64
COOLING SYSTEM	Bull Gear 69
Pump	Bull Pinion
Radiator	Clutch Shaft
Thermostat	Differential
Thermostat 42	Reverse Idler 60
DIFFERENTIAL	Shifter Rails and Forks 59
DI DOMDIO XI	Wheel Axle Bearings 69
ELECTRICAL	FRONT SYSTEM AND STEERING
Ignition	Front Support
Generator	Pivot Pin, Front Axle
Starter Motor	Spindles and Bushings. 1
ENGINE	Steering Gear, Adjust
Assembly R&R 9	•
Cam Followers	GOVERNOR 36
Camshaft	LIFT SYSTEM
Connecting Rods R&R	Control Valve 87
Connecting Rods and Bearings	Control Adjustment
Crankshaft and Bearings	Cylinder 89
Crankshaft Rear Oil Seal	Fluid and Filling
Cylinder Head	Hydraulic Housing 84
Flywheel	Pump 83
Oil Pump	Lift Arms and Cross Shaft
Piston and Rod Removal	Testing and Relief Valve Setting 80
Piston Pins	Trouble-Shooting
Piston Rings	MANUAL STEERING GEAR 7
Pistons 22	
Tappets (Cam Followers)	POWER TAKE-OFF 73
Timing Gear Cover	TRANSMISSION