1410 Tractor

Operators Manual

9-5418



Reprinted



This symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED. The message that follows the symbol contains important information about your safety. Carefully read the message. Make sure you fully understand the causes of possible injury or death.

SB001

IF THIS MACHINE IS USED BY AN EMPLOYEE, IS LOANED, OR IS RENTED, MAKE SURE THAT THE OPERATOR UNDERSTANDS THE TWO INSTRUCTIONS BELOW.

BEFORE THE OPERATOR STARTS THE ENGINE:

- 1. GIVE INSTRUCTIONS TO THE OPERATOR ON SAFE AND CORRECT USE OF THE MACHINE.
- 2. MAKE SURE THE OPERATOR READS AND UNDERSTANDS THE OPERATOR'S MANUAL FOR THIS MACHINE.



IMPROPER OPERATION OF THIS MACHINE CAN CAUSE INJURY OR DEATH.

BEFORE STARTING THE ENGINE, DO THE FOLLOWING:

- 1. READ THE OPERATOR'S MANUAL.
- 2. READ ALL SAFETY DECALS ON THE MACHINE.
- 3. CLEAR THE AREA OF OTHER PERSONS.

LEARN AND PRACTICE SAFE USE OF MACHINE CONTROLS IN A SAFE, CLEAR AREA BEFORE YOU OPERATE THIS MACHINE ON A JOB SITE.

It is your responsibility to observe pertinent laws and regulations and to follow manufacturer's instructions on machine operation and maintenance.

See your Authorized Case dealer for additional operator's manuals, parts catalogs, and service manuals.

© 1995 Case Corporation

CASE and IH are registered trade marks of Case Corporation

CONTENTS

Use of Manual and Photograph of Tractor	
Safety Messages and Cartoons	
ROPS Safety Messages	. xvi
Warning Signs	. xix
Hand Signals	
Tractor Identification	1
Specifications	
Operating Instruments and Controls	. 16
Operating Levers and Pedals	. 20
Starting the Engine	. 28
Stopping the Engine	
Powershift Transmission	
Synchromesh Transmission	
Power Take Off (PTO)	
Front Wheel Tread Positions 2WD	
Front Wheel Tread Positions 4WD	
Rear Wheel Tread Positions PAVT Wheels	34
Rear Wheel Tread Positions	
Ballast	
Measuring Wheel Slip	
Three Point Linkage	
Stabilizer Bars	
Telescopic Link Ends	
Mechanical Flotation	
Top Link 4WD Tractors	
Drawbar	
Position of Levers for Depth Control	
Operating with Depth Control	. 44
Position of Levers for Height Control	
Operating with Height Control	. 44
Position of Levers with TCU	
Operating with TCU	. 46
Double Acting Live Take off Valves	
Single Acting Equipment	. 48
Pipes and Couplers	
Remote Cylinders (Collar Type)	
Remote Cylinders (Clamp Type)	. 50
Remote Cylinders (Mechanical Stop)	. 51
Preventive Maintenance Introduction	
Service Chart	
Lubricants and Fuel Storage	
Lubrication Chart	. 55
Front Axle Lubrication Chart 4WD	. 56
Daily Inspection	. 57

0 Hour Service	58
00 Hour Service	31
00/250 Hour Service	33
00 Hour Service	34
000 Hour Service	73
Removing the Hood $\dots\dots\dots\dots$	74
Removing the Grille $\dots\dots\dots\dots$	74
Sylinder Head Tightening	
uses	75
Alternator	76
lattery	76
SAE Seven Point Connector Plug	77
Viring Diagrams	

•

TO THE OWNER OF A CASE TRACTOR

Use this manual as your guide. If you follow the instructions that are given, your Case Tractor will work correctly for many years.

It is a recommendation that some jobs are best done by your Authorized Case Dealer. For this reason, a complete description of this work has not been given in this manual.

If you do these jobs in your service shop, a repair manual is available from your Authorised Case Dealer. See your Authorised Case Dealer for any parts or assistance that you need. He has personnel with special training who know the best methods for the repair and maintenance of your Case Tractor.

Your Authorised Case Dealer



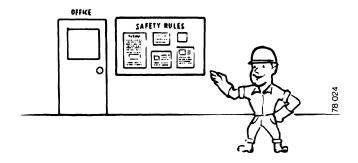
NOTE When left-hand and right-hand are used in this manual, they are the same as your left and right hand when you are on the tractor seat looking forward.

If you carefully operate this equipment, you will be safe and the persons around you will be safe. Before you operate any equipment, make sure you know the positions and operation of all the controls. BEFORE YOU START YOUR WORK, PUT THE MACHINE IN A SAFE AND OPEN AREA. THEN CHECK ALL THE CONTROLS.

READ EVERY PAGE OF THIS MANUAL. Make sure you understand the instructions. Do not operate this machine before you know the specifications of this machine for speed, braking, steering, stability, and load.

The safety codes, insurance rules, country and local laws are not in this manual. Know the rules and laws for your area. Make sure your machine is correctly fitted according to these laws and rules.

It is our recommendation that the following safety rules be put in a place where they can be seen clearly.



BEFORE YOU START THE MACHINE



CAUTION: Check the machine for leaks or any parts that are broken, not working correctly, or not there at all. Before you start the machine, tighten all caps, dipsticks, battery covers, etc.



CAUTION: If you cannot read any safety decal, clean or change it.



CAUTION: Before you operate this machine on a road check local rules.

WARNING Before starting engine study Operator's Manual safety messages.

Read all safety signs on machine.



Clear the area of other persons.

Learn and practice safe use of controls before operating. It is your responsibility to understand and follow manufacturer's instructions on machine operation, service, and to observe pertinent laws and regulations.

Operator and Service Manuals may be obtained from your equipment dealer.



WARNING Before starting engine be sure all operating controls are in neutral.

Operate controls only when seated in Operator's seat. On roads, use flasher/lights according to local laws. Keep SMV emblem visible.



Shields help protect from injury, keep in place.

Stop engine before working on PTO driven machine or PTO shaft, or performing any maintenance.

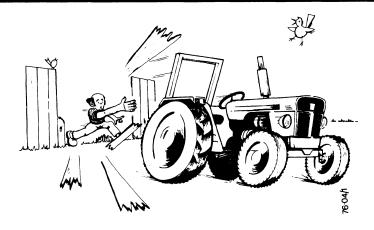
Before leaving tractor unattended, lower hydraulically lifted equipment to ground.



WARNING Before starting the engine, be sure all operating controls are in neutral. This will ease starting loads on the starter and batteries and will eliminate the accidental start up of PTO driven equipment.



CAUTION Before leaving the tractor, stop the engine, place all controls in neutral and set the parking brake.

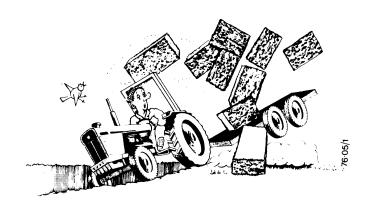




WARNING Operate controls only when seated in the Operator's seat.



WARNING On roads, use flasher/lights according to local laws. Keep SMV emblem visible.





WARNING Tractor travel speed should be such that complete control and tractor stability is maintained at all times. Where possible, avoid operating the tractor near ditches, embankments and holes. Reduce speed when turning, crossing slopes, and on rough, slick, or muddy surfaces.



DANGER Excess tractor speed is the big killer. Only experienced drivers should be permitted on highways.



A

WARNING Extra weight increases your braking distance. Remember that liquid in the tyres, weights on the tractor or wheels, tanks filled with fertiliser, herbicides or insecticides — all these add weight and increase the distance you need in which to stop.



A

CAUTION Stop engine before dismounting. Operate tractor and equipment controls from drivers seat only. Lower or block elevated components and engage hand brake before leaving seat. Lock brake pedals together before travelling on road. Check local laws before operating on highways. Do not permit riders. Warn all personnel before starting machine.



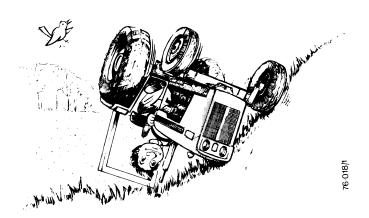
WARNING The braking distance will increase in conditions of mud, ice or whenever the traction at one wheel is less than the traction at the opposite wheel. The operator must allow adequate distance to stop in these conditions.



60.9



WARNING Securely fasten your seat belt as this tractor is equipped with a ROPS cab. The seat belts can help ensure your safety if they are used and maintained.





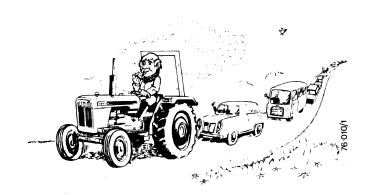
CAUTION Never wear a seat belt loosely or with slack in the belt system. Never wear the belt in a twisted condition or pinched between the seat structural members.



WARNING Rotating fan and belts. Contact can injure. Keep clear.



CAUTION Stop, look and listen before entering a highway, stay on your side of the road and pull over to let faster traffic pass. Slow down and signal as you turn off.





WARNING Do not permit others to ride. Only one person — the operator — should be on a tractor when it is in operation.





CAUTION Try to balance the load primarily on the implement wheels — as in loading a trailer or spreader. Avoid overloading the drawbar. Add front end weights for improved stability. Engage the clutch smoothly, avoid jerking and use the brakes cautiously to avoid jackknifing.



A

WARNING Rear upset can result if pulling from wrong location on tractor. Hitch only to the drawbar. Use 3 point hitch only with the implements designed for its use, not as a drawbar.





WARNING Extreme care must be exercised when adjusting and checking hitch and control linkage when the engine is running and when linkage is under hydraulic or mechanical load. Study the linkage and hitch travel — keep the hands, arms, legs and feet out of the travel arc of the hitch and linkage.



WARNING Rotating machine parts, stay clear, keep shields installed to help protect from clothing entanglement and injury. Wear close-fitting clothing.



WARNING Stop engine before working on PTO driven machine or PTO shaft, or performing any maintenance.





WARNING Whenever a PTO driven machine is in operation, the safety guard must always be in place to prevent injury to the operator. The safety guard must never be removed at any time, except for replacement. When the PTO is not in use, the guard must be installed.



WARNING When doing stationary PTO work and dismounting from the tractor with the PTO running, keep clear of all moving parts as they are a potential safety hazard.



WARNING On a mobile power take-off application, always disengage the PTO before dismounting from the tractor.



WARNING This tractor is equipped with a dual speed PTO: 6 spline for 540 rev/min; 21 spline for 1000 rev/min. Be sure implements are matched for the proper drive speeds. Centre and lock drawbar when using PTO.



Our support email: ebooklibonline@outlook.com