2470 Tractor

Operators Manual

9-4222

CASEIII

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.

TO THE PURCHASER OF A CASE TRACTOR

The care you give your Case Tractor will greatly determine the satisfaction and service you will obtain from it. Use this manual as your guide. By observing the instructions and suggestions in this manual, your Case Tractor will serve you well for many years.

As an Authorized Case Dealer, we stock Genuine Case Parts, which are manufactured with the same precision and skill as the original equipment. Our factory trained staff is kept well informed on the best methods of servicing Case equipment and is ready and able to help you.

Should you require additional aid or information, contact us.

Your Authorized Case Dealer



THIS SAFETY ALERT SYMBOL POINTS OUT IMPORTANT SAFETY MESSAGES IN THIS MANUAL. IT MEANS - ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED.

TO INSURE EFFICIENT AND PROMPT SERVICE, PLEASE FURNISH US WITH THE MODEL, TRACTOR, ENGINE, TRANSMISSION, CAB AND AXLE SERIAL NUMBERS OF YOUR TRACTOR IN ALL CORRESPONDENCE OR CONTACTS.

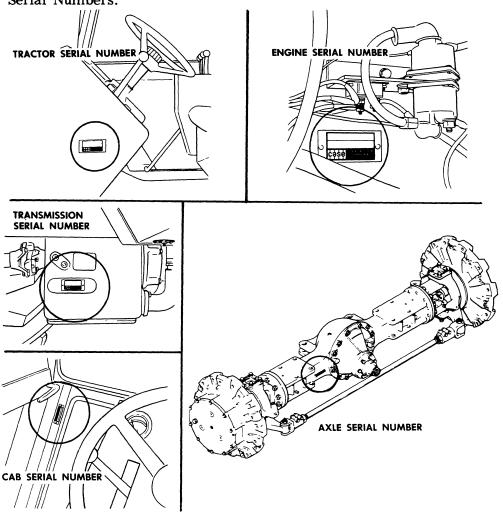
NOTE: The terms "Right Hand" and "Left Hand" whenever used in this manual, apply to the tractor when facing in the direction the tractor will move in forward operation.





SERIAL NUMBER

When ordering parts from your Authorized Case Dealer and in all contacts or correspondence with your dealer, relative to your Case Tractor, always specify the Model, Tractor Serial Number, Engine and Transmission Serial Numbers, Cab Serial Number and Axle Serial Numbers.



For reference, fill in the Serial Numbers of your tractor in the spaces provided below.

MODEL DESIGNATION
TRACTOR SERIAL NUMBER
ENGINE SERIAL NUMBER
TRANSMISSION SERIAL NUMBER
CAB SERIAL NUMBER
AXLE SERIAL NUMBER (Front)
AXLE SERIAL NUMBER (Regr)
AXLE SERIAL NUMBER (Regr)

Diesel Engine

SPECIFICATIONS

General

Type
(mitake) (not and cold) .013 men (0.36mm)
*Hot Settings Are Made After The Engine Has Operated At Thermostat Controlled Temperature For At Least Fifteen Minutes.
Piston and Connecting Rod
Rings per Piston
Main Bearings
Number of Bearings

Engine Lubrication System

Oil Pressure	,
G	0
Type System Press	sure and Spray Circulation
Oil Pump	Gear Type
Oil Filter (2)	Full Flow Spin on Type
Oil Capacity With Filters	s, 23 U.S. Qts. (21.8 liters)
Without Filters	s, 19 U.S. Qts. (17.9 liters)

Fuel System

Fuel Injection Pump
Pump Timing
Fuel Injectors
Fuel Transfer Pump Plunger Type, Integral Part of Injection Pump.
Governor
1st Stage fuel filter Full Flow Spin on Type
2nd Stage fuel filter Full Flow Spin on Type
Fuel Tank Water Trap and Drain (2) Located in Base of Each Fuel Tank.
Fuel Tank Capacity (55 U.S. Gallons - 208.2 liters - each tank).
Fuel Level Gauge Electric, Located on Instrument Panel.
Hand Primer Pump Located on Top of the Fuel Transfer Pump.
Preliminary Fuel Filter Located At The Bottom Of The Fuel Transfer Pump.

general specifications

Cooling System

Capacity of System
Radiator
Pressure Cap Required
Electrical System
Type of System
Alternator
Starter Motor
Combination Tail and Flood Lamp. R.H. Rear Flood (optional) (1) 12 Volt, 35 Watt Sealed Beam Circuit Breaker System over Load Check 12 Volt Twin 40 AMP Breakers connected in parallel, 80 AMP rating. 60 Amp. Min. Continuous capacity.
Lights Circuit Breaker
Hydraulic Brakes
Type Self-Adjusting Multiple Disc Wet Type Transmission Brakes.

Parking Brake

Type Cable Actuated by over center Type Handle - Adjustable from Operator's Seat. Multiple Disc. Type.

Power Shift Transmission

Type	3 Speed Compound Planetary
	With Hydraulically Actuated Clutches
	and a 4 Speed Gear Range Section.
Gear Selection	12 Speeds Forward and 4 Speeds Reverse.
Shifting	By a Lever on Operator's Console. 4 Speed Range Controlled by a Mechanical Shifter From a Lever on Operator's Console.
	Case TFD (Transmission-Final Drive)
Hydraulic Pump)
Type	Direct Drive, Gear Type, Triple Hydraulic Pump

Triple Hydraulic Pump
First Section Charging Pump, Capacity at 2200 Engine RPM - 39 GPM (147.6 1/mn)
Intermediate Section
Third Section
Front Steering

Hydrostatic Front Power Steering

Oil Supply	Triple Hydraulic Pump
HGA Hydrostatic Type	Integral and Bi-Directional
•	Gerotor Metering Section, Actuated
	By the Steering Wheel.
Front Steering Cylinders	Two Double Acting Cylinders

Rear Power Steering

Oil Supply Triple Hydraulic Pump
Control Valve Type
Rear Steering Cylinders Two Double Acting Cylinders
Controls Hand Lever on Instrument Panel (Manual or Automatic)

Differential and Planetaries

Front and Rear Spiral Bevel with Planetary Reduction in Hub.

3 Point Hitch System

Type Control	Hand Lever
Type Valve 3 Positions	- Raise - Hold - Lower with Speed Control
Type Draft Arms	Rigid Swinging, with Manual Float Adjustment
Type Hitch	3 Point Category III

Single Dual Remote Hydraulic System

Triple Hydraulic Pump (17 gal. Section) Direct Drive Gear Type
Type Remote Valve (R.H. Side) Dual Valve-Individual Hand Lever Control
Portable Cylinder Couplings (L.H. Side) Quick Detachable Break-away Type.
Oil Supply Triple Hydraulic Pump
Relief Valve Pressure
Portable Cylinders

Twin Dual Remote Hydraulic System

Oil Supply From Single Remote Valve (Connected in Series)
Type Remote Valve (R.H. Side, Forward of Single Valve) Dual Valve-Individual Hand Lever Control.
Oil Supply Triple Hydraulic Pump
Relief Valve Pressure Dependent on Single Remote.
Portable Cylinder Couplings (R.H. Side) Quick Detachable Break-away Type.
Portable Cylinders Case Cylinders Available
Power Take-Off
Type Clutch Hydraulically Operated
Rotation Clockwise
Spline Size

Drawbar

Standard or Yoke Type Full Swinging Roller Mounted, Will Accommodate a 1-1/2 Inch (38.1mm) Dia. Pin.

Engine Speed 2200 RPM 1000 RPM Shaft Speed

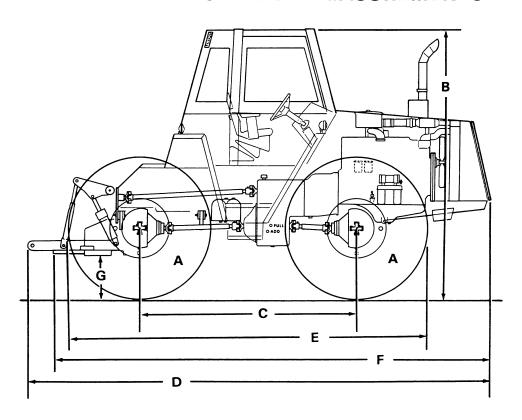
TIRE AND WHEEL EQUIPMENT Front And Rear

TIRE SIZE	TIRE PLY	RIM SIZE	TREAD TYPE	TIRE PRESSURE
18.4-30	6	W16L-30	R1	16 PSI (1.1 kg∕cm²)
18.4-34	6	W16L-34	R1 R2-0	16 PSI (1.1 kg/cm²)
20.8-34	8	W18L-34	R1	16 PSI (1.1 kg/cm²)
23.1-30	8	W20L-30	R1 R2-0	16 PSI (1.1 kg/cm²)

APPROXIMATE TRAVEL SPEEDS IN MPH & KM/H AT 2200 RPM 12 Speed Power Shift Transmission

TOANGMICCION	POWER SHIFT				
TRANSMISSION RANGE	1	2	3 AND REVERSE	TIRE SIZE	
1	1.9 mph (3.1 km/h)	2.5 mph (4.0 km/h)	3.1 mph (5.0 km/h)		
2	2.8 mph (4.6 km/h)	3.8 mph (6.1 km/h)	4.8 mph (7.7 km/h)	18.4-30	
3	4.0 mph (6.4 km/h)	5.4 mph (8.7 km/h)	6.7 mph (10.5 km/h)		
4	7.4 mph (11.9 km/h)	9.8 mph (15.8 km/h)	12.3 mph (19.8 km/h)		
1	2.0 mph (3.2 km/h)	2.7 mph (4.4 km/h)	3.4 mph (5.5 km/h)		
2	3.1 mph (5.0 km/h)	4.1 mph (6.6 km/h)	5.1 mph (8.2 km/h)		
3	4.3 mph (6.9 km/h)	5.8 mph (9.3 km/h)	7.2 mph (11.6 km/h)	23.1-30	
4	8.0 mph (12.9 km/h)	10.6 mph (17.1 km/h)	13.3 mph (21.4 km/h)		
1	2.0 mph (3.2 km/h)	2.7 mph (4.4 km/h)	3.3 mph (5.3 km/h)		
2	3.0 mph (4.8 km/h)	4.1 mph (6.6 km/h)	5.1 mph (8.2 km/h)	18.4-34	
3	4.3 mph (6.9 km/h)	5.7 mph (9.2 km/h)	7.1 mph (11.4 km/h)		
4	7.9 mph (10.7 km/h)	10.5 mph (16.9 km/h)	13.1 mph (21.1 km/h)		
1	2.1 mph (3.4 km/h)	2.8 mph (4.5 km/h)	3.5 mph (5.6 km/h)		
2	3.2 mph (5.2 km/h)	4.2 mph (6.8 km/h)	5.3 mph (8.5 km/h)	20.8-34	
3	4.4 mph (7.1 km/h)	5.9 mph (9.5 km/h)	7.4 mph (11.9 km/h)		
4	8.2 mph (13.2 km/h)	10.9 mph (17.5 km/h)	13.6 mph (21.9 km/h)		

APPROXIMATE OVERALL MEASUREMENTS



	TIRE	WHEEL RIM
Α	23.1-30 R1	W20L-30

В	127 Inches (3 226mm)	D	216 Inches (5 486mm)
С	102 Inches (2 591mm)	E	165 Inches (4 191mm)

F	(5 232mm) 206 Inches
G	15 Inches (381mm)

Overall Width	108	Inches	(2	743mm)
Turning Radius (Minimum)	192	Inches	(4	877mm)
Overall Length (w/Hitch Coupler)	223	Inches	(5	664mm)

APPROXIMATE SHIPPING WEIGHT

2 WHEEL STEER W/STD. EQUIPMENT 14,800 Pounds (6 713 kg)

OPERATOR'S CAB

THIS CASE 2470 OPERATORS CAB IS EQUIPPED WITH BUILT IN ROLLOVER PROTECTION AS SPECIFIED IN ASAE STANDARD S-336.

WHEEL TREAD SPACING WITH DOUBLE CLAMP

WHEEL	TIRE SIZE & CLAMP LOCATION			
TREAD SPACING	18.4 X 34 20.8 X 34	23.1 X 30		
72 in. (1 828.8mm)	1	1*		
74 in. (1 879.6mm)	2	2 *		
76 in. (1 930.4mm)	7			
78 in. (1 981.2mm)	3 & 9	3 & 7		
80 in. (2 032mm)	5 & 8	5 & 9		
82 in. (2 082.8mm)	4 & 10	4 & 8		
84 in. (2 133.6mm)	6	6 & 10		
86 in. (2 184.4mm)	11			
88 in. (2 235.2mm)	13	11		
90 in. (2 286mm)	12	13		
92 in. (2 336.8mm)	14	12		
94 in. (2 387.6mm)		14		

^{*}CAUTION: This location must not be used or the steering will be greatly reduced and damage to the tires could result.



Our support email: ebooklibonline@outlook.com