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MANUAL PREVIEW

J.I. Case

Operator's Manual

W8

Series B

Front End Loader

Operator's Manual

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CA-O-W8B

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Figure 1. Right Side View of Loader

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Figure 2. Left Side View of Loader

377 gasoline engine



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General

Type ----- 6 Cylinder, 4 Stroke Cycle, Valve-In-Head Engine
Firing Order ----- 1-5-3-6-2-4
Bore ----- 4 Inches
Stroke ----- 5 Inches
Compression Ratio ----- 6.8 to 1
Piston Displacement ----- 377 Cubic Inches
Cylinder Sleeves ----- Removable Wet Type
No Load Governed Engine Speed ----- 2270 RPM
Full Load Governed Engine Speed ----- 2000 RPM
Engine Idling Speed ----- 750 RPM
Valve Tappet Clearance ----- Intake .015 (Cold)
Exhaust .025 (Cold).
Exhaust Valve Rotators ----- Positive Type

Piston Rings

Rings Per Piston ----- 4
Number of Compression Rings ----- 3
Number of Oil Rings ----- 1

Piston Pins

Type Pins ----- Full Floating Type

Connecting Rods

Type Bearings ----- Replaceable Precision, Steel
Back, Copper Lead Alloy Liners.

Main Bearings

Number of Bearings ----- 7
Type Bearings ----- Replaceable Precision, Steel
Back, Copper Lead Alloy Liners.

general specifications



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OVERALL MEASUREMENTS

Height over Air Cleaner -----	92-3/8"
Width over Tires -----	89"
Width over Hubs -----	94-1/2"
Length - Bucket on Ground -----	19' 2"
Length - Bucket at Carry Position -----	19' 3"
Wheel Base -----	84-1/2"
Ground Clearance -----	14-3/4"
Approximate Weight -----	17200 Pounds
Tread - Front & Rear -----	74-3/4"

TURNING RADIUS

Outside Corner of Bucket	
At Carry Position -----	20' 6"
Outside Rear Hub -----	21"

POWER TRAIN

Torque Converter -----	Ratio 3 to 1
Transmission -----	Full Power Shift in Forward and Reverse
	4 Speed Ranges in Forward
	4 Speed Ranges in Reverse
Axles and Planetary -----	Spiral Bevel with Planetary Reduction in Hub.
First -----	0 - 3.1 MPH
Second -----	0 - 6.0 MPH
Third -----	0 - 10.80 MPH
Fourth -----	0 - 19.60 MPH

WHEELS AND TIRES

Standard (Both front and rear -----	8 Ply -----	13.00 - 24
Tire Pressure (Cold) -----		40 Pounds

APPROXIMATE CAPACITIES

Fuel Tank -----	50 Gallons
Cooling System -----	45 Quarts
Hydraulic System -----	16 Gallons
Hydraulic Reservoir (only) -----	7 Gallons
Transmission and	
Torque Converter -----	25 Quarts
Hydraulic Power Steering System -----	3 Quarts
Hydraulic Power Steering Reservoir -----	1-1/2 Pints
Engine Crankcase -----	12 Quarts
Engine Crankcase with Filter -----	14 Quarts