



CLICK ANYWHERE FOR MORE DETAILS

MANUAL PREVIEW

White

Operator's Manual

2-80 & 4-80

Backhoe Loader

Operator's Manual

JENSALES.COM
or Call 800-443-0625



CLICK ANYWHERE FOR MORE DETAILS

THIS IS A MANUAL PRODUCED BY JENSALES INC. WITHOUT THE AUTHORIZATION OF
WHITE OR IT'S SUCCESSORS. **WHITE** AND IT'S SUCCESSORS
ARE NOT RESPONSIBLE FOR THE QUALITY OR ACCURACY OF THIS MANUAL.

TRADE MARKS AND TRADE NAMES CONTAINED AND USED HEREIN ARE THOSE OF OTHERS,
AND ARE USED HERE IN A DESCRIPTIVE SENSE TO REFER TO THE PRODUCTS OF OTHERS.

WH-O-2-80 BHL



CLICK ANYWHERE FOR MORE DETAILS

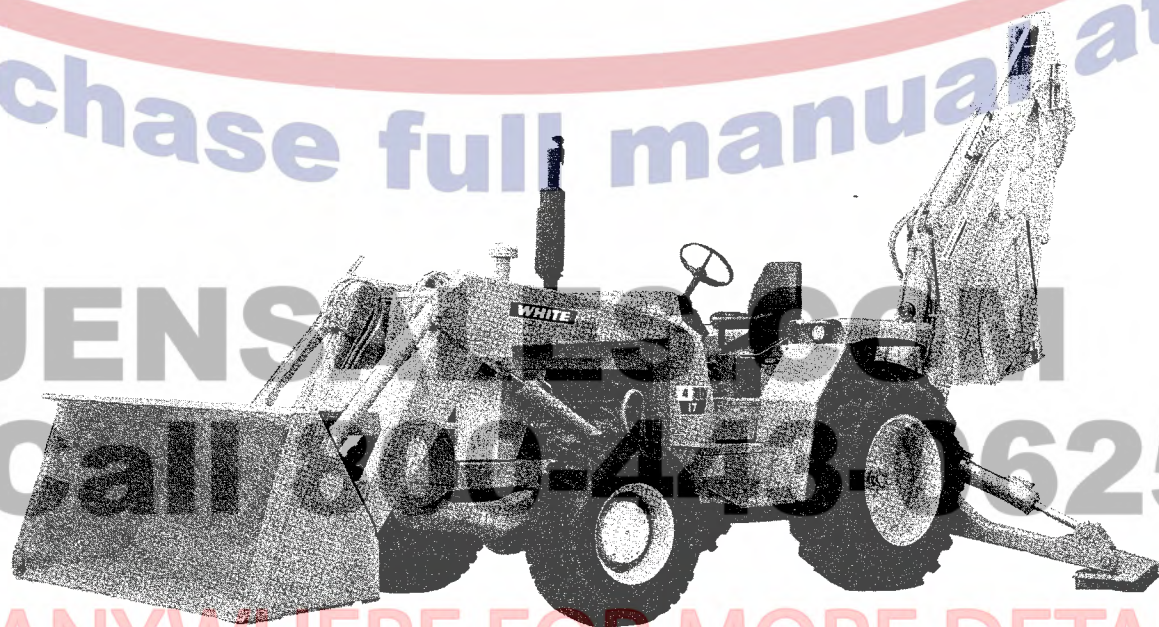
WHITE

INTEGRAL LOADER/BACKHOE

MANUAL PREVIEW

JENSALES®

purchase full manual at



JENSALES®
or Call 800-443-625

CLICK ANYWHERE FOR MORE DETAILS

CLICK ANYWHERE FOR MORE DETAILS

INTRODUCTION

This Operator's Manual is presented to furnish you with necessary information for operating and maintaining your WHITE CONSTRUCTION EQUIPMENT. Its primary purpose is to assist you in lubrication and adjustment for daily and seasonal operation. We especially wish to call your attention to many safety slogans listed in this manual. Although your equipment is designed with safety of operation in mind, possibilities of accidents cannot be completely eliminated until you understand and practice all safety precautions.

Timely service saves costly repairs and valuable time lost because of breakdowns. Whenever it becomes necessary to make REPAIRS or REPLACEMENTS, be sure to insist on GENUINE PARTS. These parts are designed specifically for your equipment under controlled specifications to give satisfaction and long lasting service to which you are entitled. YOUR DISTRIBUTOR CAN SUPPLY YOU WITH PARTS YOU REQUIRE. For additional information consult your distributor.

TABLE OF CONTENTS

Specifications	Section I
Safety Instructions	Section II
Lubrication	Section III
Operation	Section IV
Adjustments	Section V
Service & Troubleshooting	Section VI
Optional Equipment	Section VII
Index	Section VIII

CLICK ANYWHERE FOR MORE DETAILS

SPECIFICATIONS

CLICK ANYWHERE FOR MORE DETAILS
SECTION I

SPECIFICATIONS

METRIC MEASURE

Some specifications in this section are given in both U. S. and imperial measure. In countries where metric measure is used, convert from U. S. measure to metric measure through use of conversion factors. Below are some common factors used.

One U. S. qt. = 0.946 liters
One U. S. gal. = 3.78 liters
One lb. = 0.45 kilograms
One inch = 25.40 millimeters
One ft. = 0.30 meters

To convert U.S. measure to metric measure, multiply U.S. quantity by conversion factor. Examples of these calculations are outlined below.

Six U. S. qt. x 0.946 liters = 5.68 liters
Six lb. x 0.45 kilogram = 2.7 kilograms
Six in. x 25.40 millimeters = 152.4 millimeters
Six ft. x 0.30 meters = 1.80 meters

ENGINE

Number of Cylinders	6
Firing Order	1-5-3-6-2-4
Bore	3-7/8 in.
Stroke	4 in.
Piston Displacement	283 cu. in.
Compression Ratio	16.0:1
Engine Speed (rpm)	
Idle Speed	800
Rated Speed	2200
High No Load	2420
Timing (Static)	4° BTDC
Engine Operating Temperatures	155-212° F.
Valve Clearance Adjustment (cold)	
Intake	0.030
Exhaust	0.030
Nozzle Opening Pressure	2600 psi
Normal Engine Oil Pressure (psi)	25-45
Max. Net Corrected Flywheel Hp.	80

ENGINE OIL

Air Temperature

Above + 32° F.
Below 32° F.

SAE Grade

30
10W

API Classification

Series 3 or CD
Series 3 or CD

Use only oils which have following statement on container, "Passes Car Manufacturer's MS Sequence Tests."

SPECIFICATIONS

FUEL

Diesel Engine

Use No. 1-D fuel with minimum cetane rating of 50 where temperatures range below plus 32 degrees Fahrenheit.
Use No. 2-D fuel with minimum cetane rating of 45 when temperatures remain above plus 32 degrees Fahrenheit.

For cold weather operation, always specify fuel with a pour point 10 degrees Fahrenheit below minimum temperature in which engine is to be started.

Maximum allowable percent of sulphur by weight is 0.50 for 1-D fuel and 1.0 for 2-D fuel. High sulphur content fuel requires an engine lubricating oil with high detergent characteristics to prevent carbon build up in nozzles and combustion chambers and to neutralize acid created by sulphur. For these reasons, engine lubricating oil recommendations and sulphur content specifications are very important and should be closely followed.

ELECTRICAL

Battery

Capacity
Size

2 (6 volt in series)
168 amp. -hrs.
1H4 (SAE), 4 (AABM)[®]

Lights

Floodlights

Type
Size
Capacity

Sealed beam
35 watts
12-16 volts

Taillight

Type
Size
Capacity

Bayonet
4 candle power
12-16 volts

Warning Light

Type
Size
Capacity

Bayonet
32 candle power
12-16 volts

Instrument Background Lights

Type
Size
Capacity

Bayonet
2 candle power
12-16 volts

Fuses

Lights

20 amp.

Instruments

3 amp.

SPECIFICATIONS

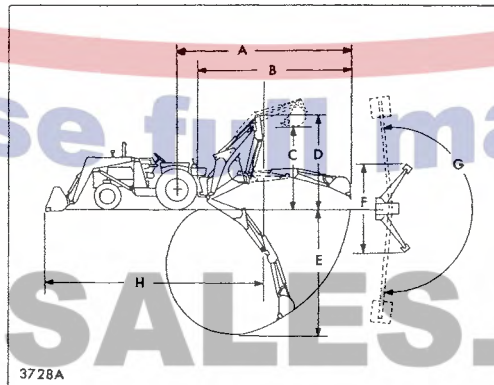
DIMENSIONS

Tractor

Ground Clearance	13-1/2 in.
Front Axle	11 in.
Two-Wheel Drive	15-1/2 in.
Four-Wheel Drive	14-1/2 in.
Backhoe Stabilizer	99 in.
Rear Frame	90 in.
Overall Height (Top of Exhaust)	86 in.
Overall Width	68 in.
Wheel Base	70 in.
Wheel Tread Spacing	71-1/2 in.
Front	
Two-Wheel Drive	17,200 lbs.
Four-Wheel Drive	17,400 lbs.
Rear	
Total Unit Weight	
Two-Wheel Drive With Counterweight	
Four-Wheel Drive	

Backhoe

Lift Capacity	3000 lbs. @ full reach
Boom Cylinder	4500 lbs.
Dipper Stick Cylinder	13,300 lbs. w/bucket cylinder
Digging Force (Std. 24" Bucket)	6800 lbs. w/crowd cylinder
Bucket Rotation	177°
Overall Width (Stabilizers Raised)	95-1/2 in.
Dimensions (IEMC Rated)	



A - Reach from Axle Centerline	25 ft. 1-3/4 in.
B - Reach from Swing Post	21 ft.
C - Loading Height	14 ft. 7 in.
D - Transport Height	13 ft. 8-1/2 in.
E - Digging Depth	17 ft.
F - Stabilizer Spread (Operating Position)	141 in.
G - Swing Arc	180°
H - Transport Length w/Loader (Minimum)	26 ft. 6 in.