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MANUAL PREVIEW

White
Operator's Manual
2-63-15
Industrial

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WH-O-2-63-15

SPECIFICATIONS

DIMENSIONS

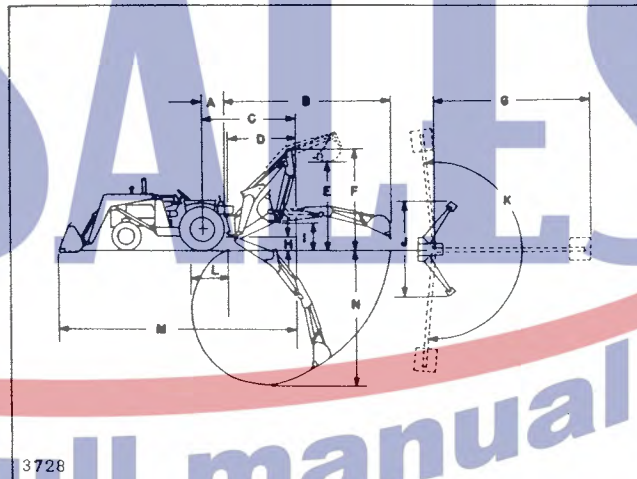
Tractor

Ground Clearance - Front Axle	12 in.
Backhoe Stabilizer	14 in.
Rear Frame	15 in.
Overall Height (Top of Exhaust)	87 in.
Overall Width	80 in.
Wheel Base	79 in.

Backhoe

Weight - Less Bucket (Approx.)	2800 lb.
Overall Travel Width - Stabilizers Raised	92 in.
Bucket Rotation	169°
Lift Capacity	
Boom Cylinder	1300 lb. @ full reach
Dipper Stick Cylinder	1750 lb. @ 11 ft. 8-1/2 in.
Digging Force - Standard 24 in. Bucket	2280 lb.
Teeth	9000 lb.
Dimensions	Replaceable

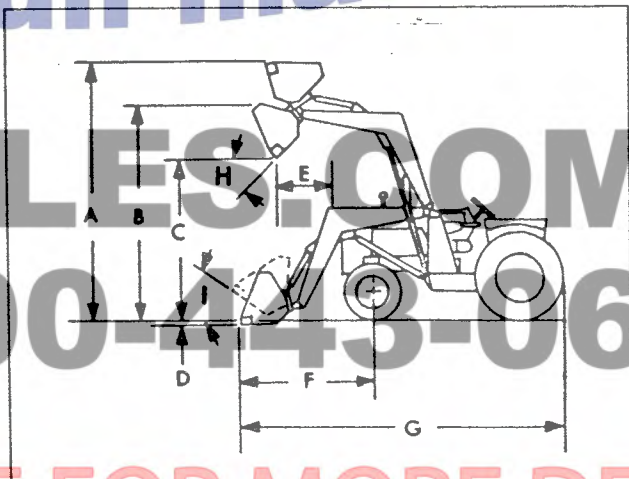
A	28 in.
B	218 in.
C	120 in.
D	78 in.
E	111 in.
F	122 in.
G	202 in.
H	12 in.
I	33 in.
J	130 in.
K	180°
L	66 in.
M	263 in.
N	180 in.



Loader

Weight (Approx.)	2600 lb.
Capacity	
Full Height	4525 lb.
Half Height	6500 lb.
Bucket Cylinder Breakout Force	6600 lb.
Dimensions	

A	166 in.
B	135 in.
C	108 in.
D	1-1/4 in.
E	33 in.
F	76 in.
G	179 in.
H	45°
I	32°



HYDRAULIC SYSTEM

Hydraulic Fluid

TYPE 55 HYDRAULIC OIL MUST BE USED IN HYDRAULIC SYSTEM TO ENSURE PROPER POWER STEERING UNIT OPERATION. THIS OIL CAN BE OBTAINED ONLY FROM YOUR DISTRIBUTOR UNDER FOLLOWING NUMBERS: 30-3025993 (1 QT. CAN) 30-3023990 (5 GAL. CAN).

Checking Fluid

Check fluid level in hydraulic unit daily or every 10 hours of operation and replenish, if necessary, to maintain oil level at *FULL* mark on dipstick. Be sure dipstick cap is fully turned in and all cylinders are retracted to obtain accurate check. Add fluid as required through dipstick opening and reinstall dipstick.

Changing Fluid

Drain hydraulic unit yearly or every 1000 hours of operation. Drainings should be done in the fall. Remove drain plug located inside lower right loader frame.

Disconnect hoses from cylinders and allow to drain. Move piston rods in and out of cylinders to expel old fluid. Connect hoses and refill unit with new fluid. Start engine, extend and contract cylinders several times to work trapped air out of cylinders and hoses. Check and replenish level.

HYDRAULIC FILTER - SUCTION LINE

Remove and clean hydraulic fluid suction screen whenever hydraulic fluid is changed. Unit is disassembled in photo for illustrative purposes only.

HYDRAULIC FILTER - RETURN LINE

Replace hydraulic fluid filter element and O-ring gasket, part number 25-1000791, after first 50 hours of operation and thereafter every 250 hours of operation. Turn filter bolt counterclockwise to disassemble filter. Remove and discard element and O-ring gasket. Wash body and spring in cleaning solvent and allow to dry. Install new O-ring gasket and coat with heavy oil or grease. Position element and spring in body. Install body assembly on filter housing. Check and replenish lubricant level after initial operation and check filter assembly for leakage.





BACKHOE

1. BOOM PIVOT

Lubricate backhoe boom pivot with pressure gun using No. 1 grade multi-purpose lithium base grease daily or every 10 hours of operation.

2. BOOM CYLINDER

Lubricate boom cylinder base and rod ends with pressure gun using No. 1 grade multi-purpose lithium base grease daily or every 10 hours of operation.

3. CROWD CYLINDER

Lubricate crowd cylinder base and rod ends with pressure gun using No. 1 grade multi-purpose lithium base grease daily or every 10 hours of operation.

4. BUCKET CYLINDER AND DIPPER STICK PIN

Lubricate bucket cylinder base and rod ends and dipper stick pin with pressure gun using No. 1 grade multi-purpose lithium base grease daily or every 10 hours of operation.

5. BUCKET ATTACHING PIN

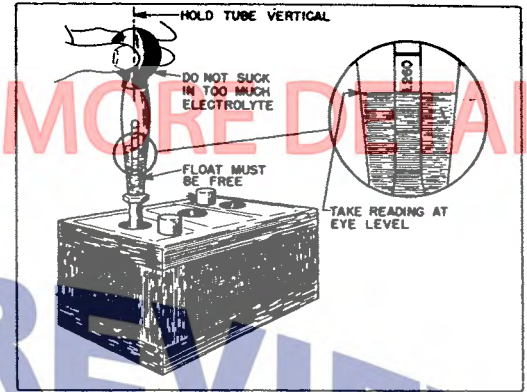
Lubricate bucket-to-dipper stick attaching pin with pressure gun using No. 1 grade multi-purpose lithium base grease daily or every 10 hours of operation.

Specific Gravity

Specific gravity of electrolyte indicates degree of battery charge and should be checked every thirty days. If water has been added, operate tractor at least two hours before taking hydrometer reading. All cells should show approximately same reading. Wide variations indicate trouble. Use following chart as guide to interpret specific gravity readings.

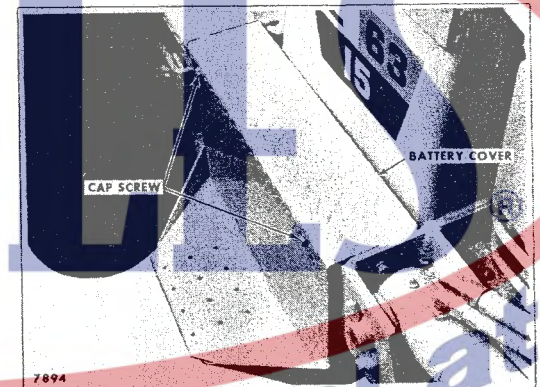
1.260-1.280	Fully charged
1.230-1.250	Three fourths charged
1.200-1.220	One half charged
1.170-1.190	One fourth charged
1.140-1.160	Barely operative
1.110-1.130	Completely discharged

Gravity points listed above are corrected to 80° F. Add 0.004 gravity points to reading for every 10° F. above 80° F. and subtract 0.004 gravity points from reading for every 10° F. below 80° F.



Battery Removal

To remove battery, remove battery cover and remove cables from terminals (always disconnect ground cable first). Protect disconnected end of connector cable (negative terminal) when removing left-hand battery on diesel tractors to prevent short circuiting right-hand battery. Lift battery up and out.



Battery Installation

TRACTORS HAVE NEGATIVE GROUND. Check and replace cables if insulation is defective or strands are broken. Remove corrosion from battery, clamps and terminals with a stiff brush. Do not scatter corrosion with brush. Wipe battery, clamps and terminals with a cloth moistened with ammonia or baking soda and water. Coat terminals and clamps with grease and reinstall battery or batteries. On gasoline tractors, connect starter cable to positive terminal and ground cable to negative terminal respectively. On diesel tractors, first, fasten connector cable to positive terminal of right-hand battery and negative terminal of left-hand battery. Connect starter cable to positive terminal of left-hand battery and ground cable to negative terminal of right-hand battery. Secure cable clamps to terminals. Do not allow cables to exert pulling force on terminals.



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