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MANUAL PREVIEW

Hough

Operator's Manual

HO A Payloader

S/n Gas 22A-1001 to 22A1194

Diesel 23A1001 to 23A-1055

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Operator's Manual

HO-O-HO-A

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INTRODUCTION

CONDENSED SPECIFICATIONS

ENGINE:

	Gasoline	Diesel
Hercules Model No.	WXLC-3	DWXD
No. of Cylinders	6	6
Bore	4-1/4	4-1/4
Stroke	4-3/4	4-3/4
Displacement	404 cu. in.	404 cu. in.
Speed (Governed)	2200 r.p.m.	2200 r.p.m.
Horsepower - Max. Stripped	125	126
Fuel Tank Capacity	40 gal. Gasoline	40 gal. Diesel Oil

TORQMATIC DRIVE:

- Converter - Single Stage, Polyphase, 4 Element
- Gears - Range - Constant Mesh Planetary
 - Transfer - Constant Mesh in Line
 - Gears - Spur Type
- Oil System - Sump - Integral
 - Input Pump - Gear Type
 - Push Start Pump - Internal - External Type
 - Capacity - 7.5 gal. (U.S.) Initial Fill
 - 5.75 gal. (U.S.) Refill
 - Filter - Full Flow - Replaceable Element
 - Cooler - Radiator Mounted - Oil to Air Type
 - Oil - S.A.E. #10 Hydraulic Motor Oil or Hydraulic Transmission Fluid Type 'C'
- Controls - Speed range and directional shift are power activated.
Rear axle disengagement accomplished manually.

FINAL DRIVE:

Heavy duty double reduction drive axle completely equipped with anti-friction bearings.

BRAKES:

- Service: Internal expanding, 2 shoe, hydraulic, vacuum boosted 4 wheel.
- Parking: External clamping, 2 shoe, mechanical, forward drive shaft.

STEERING GEAR:

Heavy duty recirculating ball type steering mechanism coupled with a hydraulic steering booster.

BATTERY:

- | | |
|------------------------|----------------------|
| Gasoline - 2 Batteries | Diesel - 4 Batteries |
| XF 19, 6 Volt | XF 19, 6 Volt |
| 12 Volt System | 24 Volt System |

TIRES:

Front & Rear: Grader Type 14:00 x 24 - 12 Ply - Air pressure - 45-50 pounds.

INTRODUCTION

CONDENSED SPECIFICATIONS

HYDRAULIC SYSTEM:

Sealed, pressure-controlled (30 lbs. per sq. in.) with vacuum relief.
Boom Rams: Two, double-acting, 6 in. dia.; chrome-plated piston rods.
Bucket Rams: Two, double-acting, 4 in. dia.; chrome-plated piston rods.
Pump: Driven from accessory drive on transmission. 60 G.P.M.
Valve: Two-spool with Relief Valve.
Reservoir: Electrically welded - with baffles, hand hole for cleaning;
oil level dip stick; capacity 16.5 gals.

BUCKET:

Capacity	2 cu. yds.
Width	90"
Breakout Force	21,000 lbs.
Carry Capacity - Max. (4 mph)	7,000 lbs.
Lifting Capacity - Max. (0 mph)	14,000 lbs.
Maximum Dumping Height	10' - 0"
Clearance under Bucket Hinge Pin	12' - 5"
Angle of Breakout at Ground Level	40°
Maximum tip-back	50°
Raising Time (Boom)	10 Sec.
Lowering Time (Boom)	4-1/2 Sec.
Digging Depth	12"

PAYLOADER DIMENSIONS:

Height (Overall)	8' - 2"
Height (Over Average Operator)	8' - 7"
Width (Front Tires)	7' - 4"
Width (Rear Tires)	7' - 4"
Width (Front Hub)	7' - 11"
Width (Rear Hub)	8' - 0"
Length (Bucket on Ground)	19' - 2"
Length (Bucket at Carrying Position)	18' - 9"
Wheel Base	7' - 8-1/2"
Ground Clearance	1' - 3"

TURNING RADIUS:

Outside Corner Bucket (Carry)	22' - 9"
Outside Rear Hub or Wheel	23' - 2"
Outside Rear Corner (Grille)	22' - 9"
Aisle Operational Width (Bucket at Carry)	13' - 3"

WEIGHTS:

(Approximate Shipping)

	Gasoline	Diesel
Total, lbs.	21,855	22,455
Axle - Front - 10,375	} Gas	
- Rear - 11,480		
Axle - Front - 10,490	} Diesel	
- Rear - 11,965		

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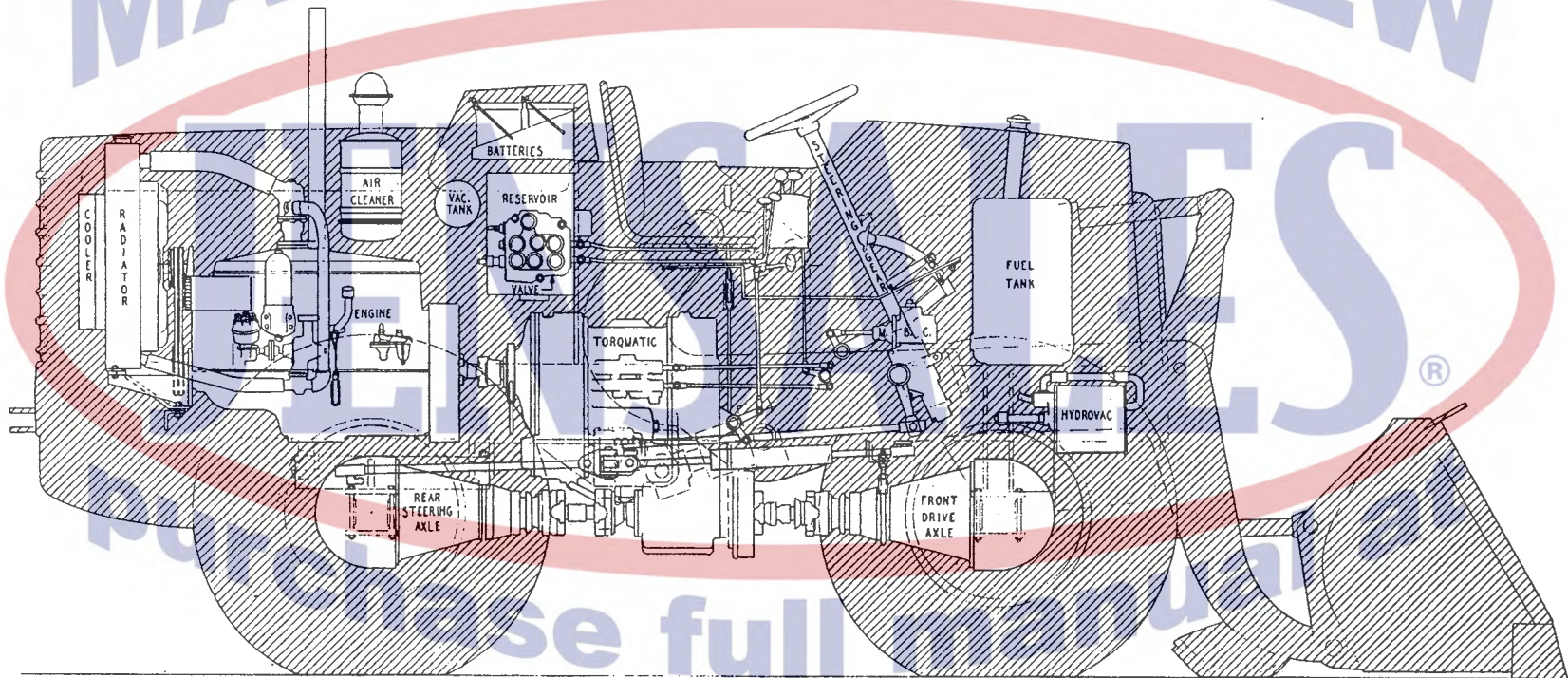


Fig. 1
GENERAL ARRANGEMENT DRAWING

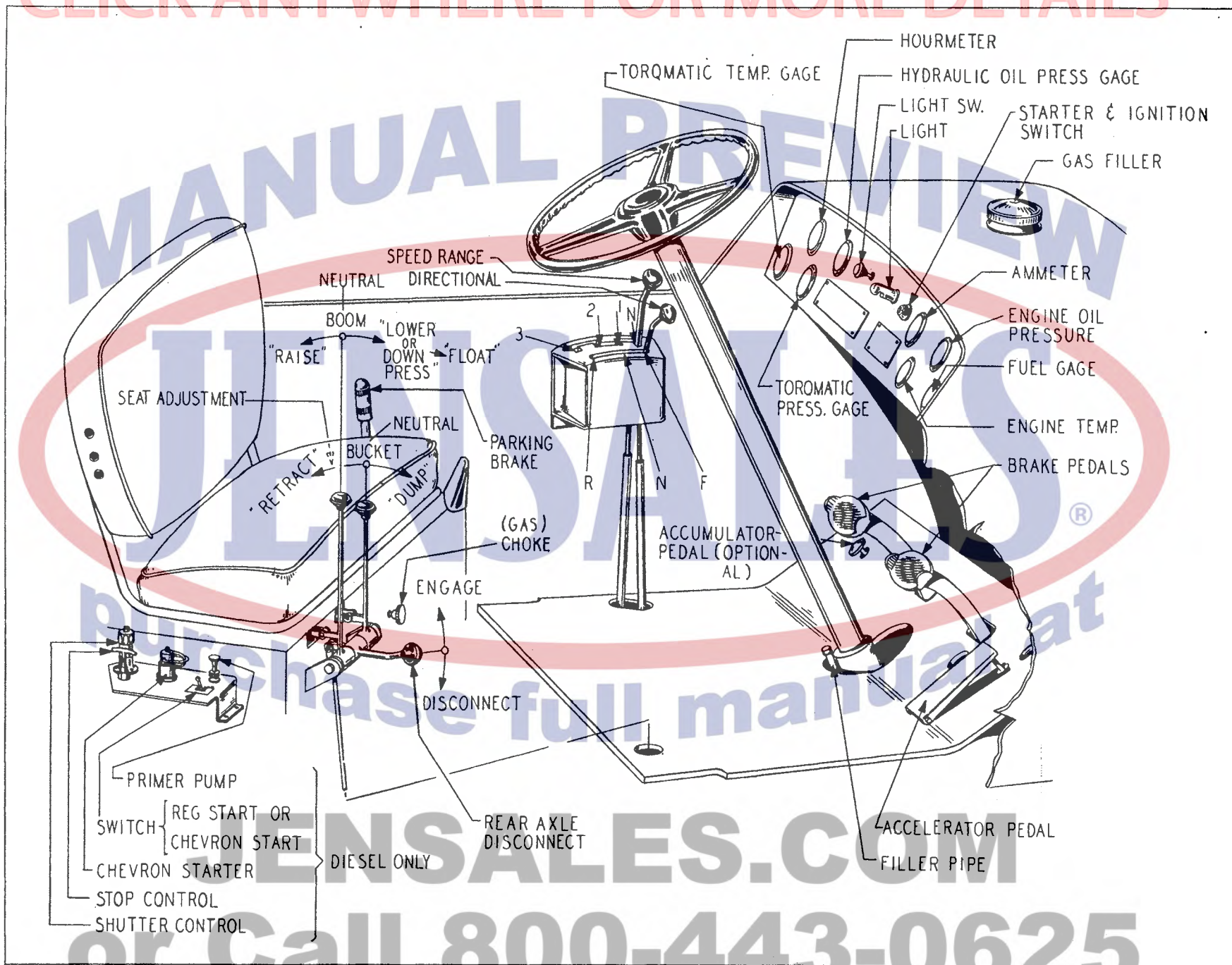
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Fig. 2
OPERATORS CONTROL DRAWING

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