800, 1000 Crawler

Service Manual

9-72062

CASE CONSTRUCTION

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GROUP I

SECTION A - MODEL 800 SPECIFICATIONS

CAPACITIES (U.S.)

Fuel tank		40 Gallons
Cooling		7-1/2 Gallons
Transmission and Torque Converter		11-1/2 Gallons
Final Drive (Each)		8 Quarts
Crankcase	Dry Engine (new filter element)	9 Quarts
	Wet Engine (old filter element)	7 Quarts
Air Cleaner		1 Quart
Hydraulic Brake System		1-1/2 Pint
Hydraulic System - Terraload'r		24 Gallons
Hydraulic System - Terradozer		22 Gallons

TRACTOR

Engine, Continental Diesel		HD-277
HP (Gross)		80
HP (Net)		70
Electrical System		24 Volts
Cooling Fan Diameter		20 In.
Ratio - Engine To Fan		1.4
Radiator: No. Tubes		5
No. Fins Per Inch		7
Torque Converter: Make		LONG
Type		SINGLE STAGE
Diameter		13 In.
Stall Speed		1550-1650
Stall Torque Ratio		1.92
Transmission: Model		593
Type		HYDRAULIC
No. Speeds Forward		4
No. Speeds Reverse		4
Battery: Type		GROUP 2E
Number		4
Capacity - 20 Hour Rate		130 Amp. Hrs.
Generator: Make		Delco-Remy
Capacity		10 Amp.

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DIMENSIONS AND WEIGHTS

	Wide Gauge (Loaders)	Narrow Gauge (Dozers)
Length, Overall Without Drawbar	114-11/16 In.	
Height	71-1/2 In.	
Gauge	60 In.	54 In.
Width, Overall	75 In.	69 In.
Ground Clearance Without Drawbar	16-3/16 In.	
Ground Clearance Under Drawbar	10-15/16 In.	
Drawbar Height	14-1/16 In.	
Drawbar Movement, Lateral	16 In.	
Track Shoe Width, Standard	15 In.	
Track Shoe Width, Maximum	24 In.	20 In.
Number Track Links Per Side	37	
Length Of Track On Ground	73 In.	
Track Pitch	6-1/4 In.	
Sprocket Teeth	27	
Ground Contact Area	2190 Sq. In.	
Height Of Grouser	2-1/16 In.	
Track Pin Diameter	1-1/4 In.	
Track Bushing Diameter	1-7/8 In.	
Track Bolt Diameter	1/2 In.	
Track Rollers, No. Per Side	5	
Track Roller Diameter	7-1/4 In.	
Support Rollers, No Per Side	1 (2 Optional)	
Ground Pressure	5.3 PSI	5.1 PSI
Weight (Standard Basic) Shipping	11,680 Lbs	11,200 Lbs.

ENGINE

Continental Model HD-277 Diesel

Number of Cylinders	4
Bore	4 In.
Stroke	5-1/2 In.
Governed RPM (Full Load)	2250
Injection System	Roosa-Master
Firing Order	1,3,4,2
Valve Tappet Clearance	.014 Intake (hot)
Valve Tappet Clearance	.014 Exhaust (hot)

PERFORMANCE DATA

		1 ST	2 ND	3 RD	4 TH
Speeds:	Forward	1.6	2.9	3.3	5.9
	Reverse	1.9	3.5	4.0	7.2

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