



Figure 1-1 Layton Remote Trax TC30-1



General Information

1.1 INTRODUCTION

This manual was prepared for the Layton Remote Trax TC30-1 remote controlled tractor, and includes the following information:

- **Section 1, General Information** describing the tractor and its specifications.
- **Section 2, Operation** instructions are given to promote safe and effective use of the tractor.
- **Section 3, Service** guideline for preventive maintenance, and troubleshooting the tractor.
- **Section 4, Parts** information for tractor component repair or replacement.

NOTE: Carefully read the Safety Summary which precedes this section before attempting to operate or service this equipment.

1.2 DESCRIPTION

The Remote Trax TC30-1 is a fully remote controlled tractor with a three-cylinder, 33-horsepower diesel engine. The independent-track hydrostatic propulsion system has five sealed, lubricated track rollers per side with bolt-on drive sprockets.

Current options include 17-5/8" single grouser pads, and a 66" six-way dozer blade. Contact your dealer for information on other options.

NOTE: The descriptions and specifications shown in this manual were in effect at the time of publication, and are subject to change without notice or obligation.

1.3 SPECIFICATIONS

Model	TC30-1
Overall Length	8' 9"
Overall Width	5' 3"
Overall Height	6' 10"
Ground Clearance	7"
Track-shoe Width	11-3/4" or 11"
Gross Weight	6,000 lbs.
Winch Capacity	12,000 lbs.
Power	33 hp, 3-cyl.
Fuel	15 gal., Diesel
Engine Oil	5.4 qt., 15W40
Engine Coolant	2 gal., 50/50 ethylene glycol/water
Hydraulic Reservoir	19 gal., ISO68*
Operating Pressure	1,800 psi

*NOTE: Hydraulic Fluid that conforms to ISO32 specification is recommended for arctic (extreme cold weather) operation.

1.4 RECEIVING

See Figure 1-1. Your Layton Remote Trax TC30-1 remote controlled tractor was completely inspected, tested, lubricated and filled with hydraulic fluid before leaving the factory. Carefully inspect for damage—you must note any damage on the carrier's bill of lading, and file a claim immediately with the freight company. If you receive damaged goods, contact your dealer for repair or replacement.



GENERAL ARRANGEMENT

ITEM	PAGE	PART NUMBER	QTY	DESCRIPTION
		TC30-1		Remote Trax
1	4-5		1	Final Assembly
2	4-7		1	Undercarriage
3	4-8	585297	2	Idler Assembly
4	4-9	585295	10	Bottom Roller Assembly
5	4-10	585296	2	Top Roller Assembly
6	4-11	585298	2	Track Chain Assembly
7	4-13		1	Radiator Assembly
8	4-15		1	Engine
9	4-17		1	Air Cleaner
10	4-18		1	Throttle Assembly
11	4-21		1	Electrical System
12	4-25		1	Fuel Assembly
13	4-26		1	Pump Mounting - S/N 93C1004 - 98C1024
13	4-27	7129	1	Pump Mounting - S/N 98C1025 & Above
14	4-29		1	Hydraulic System
15	4-32		1	Torque Hub Assembly - Right
16	4-33		1	Torque Hub Assembly - Left
17	4-34		1	Throttle & Brake Solenoid
18	4-35		1	Hydraulic Tank
19	4-36		1	Auxiliary Hydraulics
20	4-39	587096	1	Lift Cylinder
21	4-41		1	Cooler Assembly
22	4-42		1	Hydraulic Return Line
23	4-45		1	Mast
24	4-47	7395	1	Winch Assembly
				Options (Not Shown)
25	4-49	7000	1	Blade Assembly
26	4-51		1	Blade Hydraulics
27	4-52	585210-2	2	Angle Cylinder
28	4-53	585210-1	1	Tilt Cylinder