

Inspection Report (Rough Terrain Crane)

General Info

B&B Stock Number	A8467240
Year	2012
Make	TEREX
Model	RT780
Serial Number	1T9RT700LCW161066
Hour Meter Reading	5,098 Hrs.
Previous Application (e.g., earth moving, mining, demolition, etc)	New Condos / Townhomes Construction

Dimensions

A. Length (ft and inches)	48'
B. Width (ft and inches)	11'4"
C. Height (ft and inches)	11'10"
D. Wheelbase (ft and inches)	13'2"
Operational Weight (lbs)	TBD

Features and Configuration

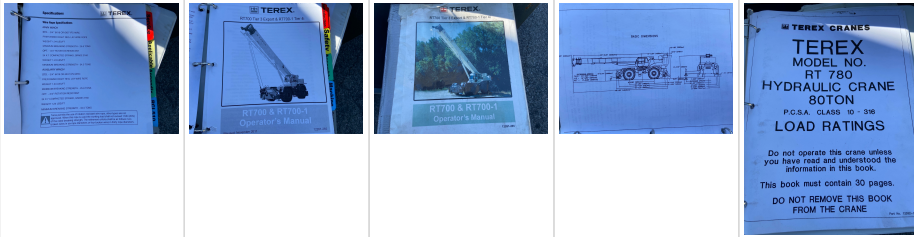
Control Station Type	Enclosed Cab
Travel System	Wheels & Tires
Heat	Yes
A/C	Yes
Radio	No
Backup Camera	No
Telematics	No
Load Movement Indicator (LMI)	Yes
LMI Make/Model	Greer Element
Boom Type	Hydraulic Telescoping
Jib?	Yes
Jib Model / Serial Number	N/A
Jib Length (ft and inches)	N/A
Crane Capacity (tn)	80 Ton
Max Reach (ft and inches)	TBD
Max Elevating Angle (degrees)	TBD
# Boom Sections	4
Winch System	Dual, Main & Aux.

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Cable Size	TBD
Compression Brake	Yes
Load Blocking System	Yes
Outriggers	Yes
Outrigger Configuration	4 Outriggers
OMM (Operator & Maintenance Manual)	Yes

OMM Specifications


OMM Specifications

Detail Specifications	Take photos of the detailed spec pages included in the operator's manual
OMM Spec Photos	
Other Configuration Details / Notes	Currently set up with single Main winch cable

Exterior 360 Walkaround

360 Walkaround & Operating Video

Walkaround Photos & Operating Video

Exterior Walkaround Photos	
Operating Video	Click to Download
Additional Video	Click to Download
Additional Video	Click to Download

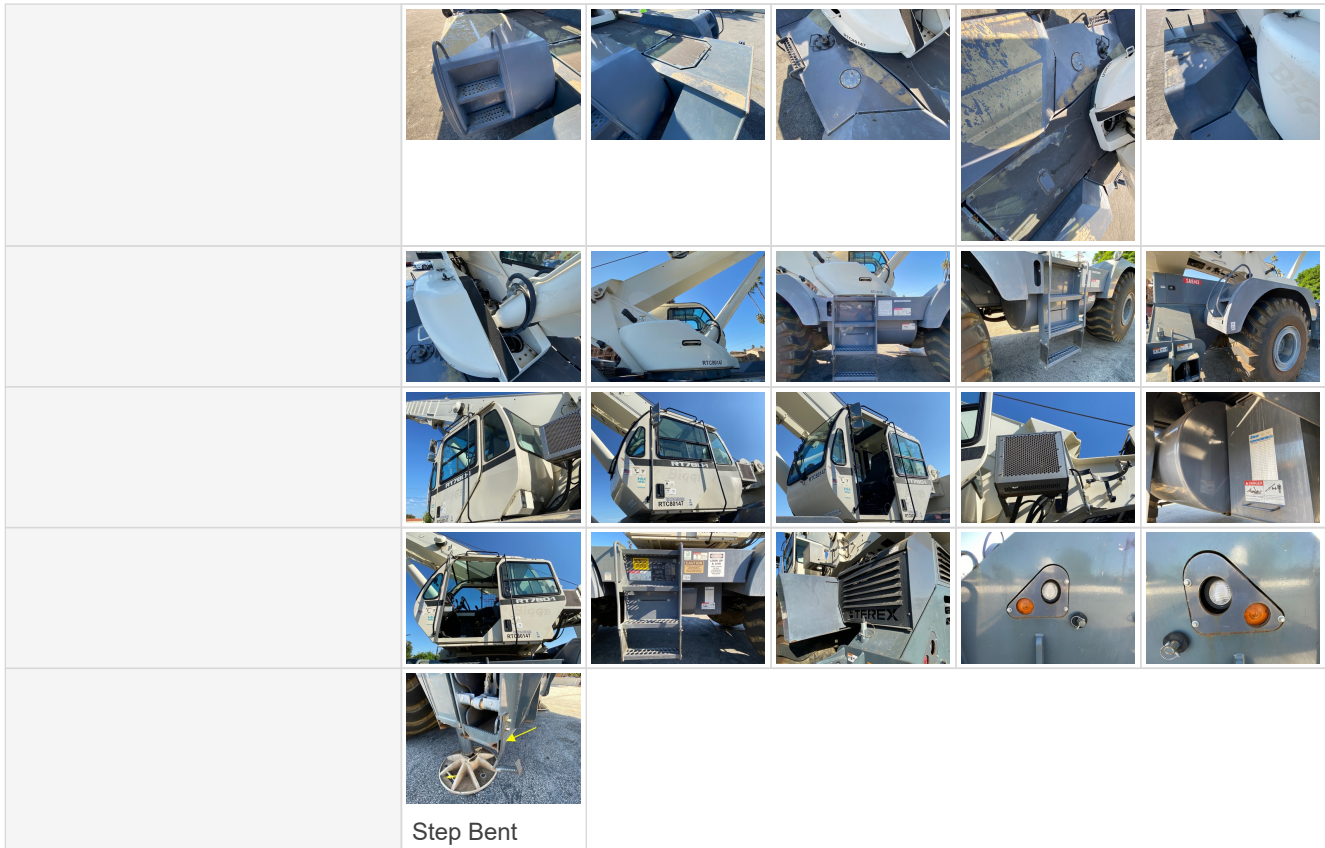
General Appearance Inspection Points

General Appearance

General Appearance Photos

Close-up Exterior Photos	
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Inspection Report (Rough Terrain Crane)



General Appearance Inspection Points

Inspection Rating Criteria	Rating Scale	Explanation
	1 - Service Required	Requires immediate repairs to function as expected.
	2 - Above Average Wear & Tear	Exhibits greater wear than expected given age and usage. While operable, further diagnosis may be needed.
	3 - Normal Wear & Tear	Exhibits wear that is consistent with age and usage. Operation is normal, and as expected.
	4 - Very Light or Minimal Wear	Exhibits very minimal wear. Operation is better than expected given age and usage.
	5 - Like New, Recently Replaced	Excellent condition, free of visible wear or damage. Operation is within factory specifications.
Body Panels	3 - Normal Wear & Tear	
Body Panel Condition	No visible damage, good paint condition and panel fitment	
Doors / Canopy Latches	3 - Normal Wear & Tear	
Doors / Canopy Latches Condition	No visible damage	
Steps / Ladders	3 - Normal Wear & Tear	
Steps / Ladders Condition	Bent or broken steps or rungs	
Comments	Front R/S Step bent at outrigger	
Handrails	4 - Very Light or Minimal Wear	
Handrails Condition	Handrails are fully intact and appear structurally sound	
















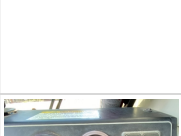

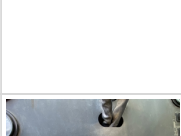
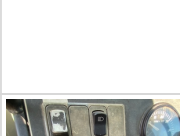














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Glass	4 - Very Light or Minimal Wear
Glass Condition	Glass intact, no visible damage
Mirrors	4 - Very Light or Minimal Wear
Mirror Condition	Mirrors present and intact, no visible damage
Exterior Lights	3 - Normal Wear & Tear
Exterior Lights Condition	No visible damage, lighting system is operational
Overall Exterior	3 - Normal Wear & Tear
Comments	Machine's exterior panels are in good condition. Front R/S Outrigger Step bent.



Control Station Inspection Points

Control Station



Control Station Photos

Control Station Photos					
					
					
					
					
					
					

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Serial Number Plate	 <p>A metal serial number plate for a Terex crane. The plate features the Terex logo (a red triangle with a white 'X') and the word 'TEREX' in large black letters. Below the logo, it states 'MANUFACTURED IN USA' and 'TEREX USA, LLC'. The address '106 12th STREET SE WAVERLY, IOWA' is listed. The 'PRODUCT IDENTIFICATION NUMBER' is '1T9RT700LCW181066'. The 'MODEL NO' is 'RT780' and the 'MANUFACTURE DATE' is '9-18-2012'. At the bottom, it says '12400-2032 REV D'.</p>
Hour Meter/Odometer	 <p>A close-up of a circular hour meter gauge. The needle is pointing to approximately 10 on a scale from 0 to 35. The scale is labeled 'RPM X 100'. Below the needle, there is a small digital display showing '100' and '5000'.</p>
Seat	3 - Normal Wear & Tear
Seat Condition	Seat(s) in good condition, no stains or tears in upholstery, Seat adjustment controls move through full range of travel, Seat belt secures properly, Seat belt is intact and in good condition
Cabin Lights	3 - Normal Wear & Tear
Cabin Lights Condition	Cabin lights are installed with all light covers in place, bulbs are installed and working properly
Safety Lock Out / Stop	3 - Normal Wear & Tear
Safety Lock Out / Stop Condition	Safety lock out device is present, in good condition, and functional
Controls & Switches	3 - Normal Wear & Tear
Controls & Switches Condition	All switches are installed and functional, Switches have good functionality, minor cosmetic damage observed
Hour Meter Activity	3 - Normal Wear & Tear
Hour Meter Condition	Hour meter is functional and in good condition
Other Gauge Activity	3 - Normal Wear & Tear
Other Gauge Condition	All cockpit gauges are functional and in good condition
Heater & A/C	3 - Normal Wear & Tear
Heater & A/C Condition	Heater and A/C work as expected

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Travel Alarm	3 - Normal Wear & Tear
Travel Alarm Condition	Travel alarm is installed and functioning as expected
Horn	3 - Normal Wear & Tear
Horn Condition	Horn is installed and functioning as expected
Backup Camera	0
Control Station Overall Rating	3 - Normal Wear & Tear
Control Station Overall Condition	Good cabin appearance, solid floors, panels, and ceiling, Minor cosmetic wear to cabin surfaces, floors, panels, and ceiling
Comments	Operator Cab in good shape .
Anti Two Block System	3 - Normal Wear & Tear
Comments	Two Block system in place but not in use during the inspection.
Anti Two Block System Photos	 <p>Two block system not in use (Unable to test)</p>
Load Movement Indicator (LMI)	3 - Normal Wear & Tear
Comments	LMI Display in good shape and operating well
Load Movement Indicator (LMI) Photos	

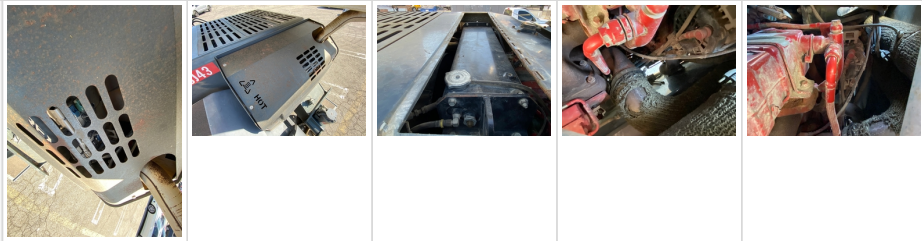

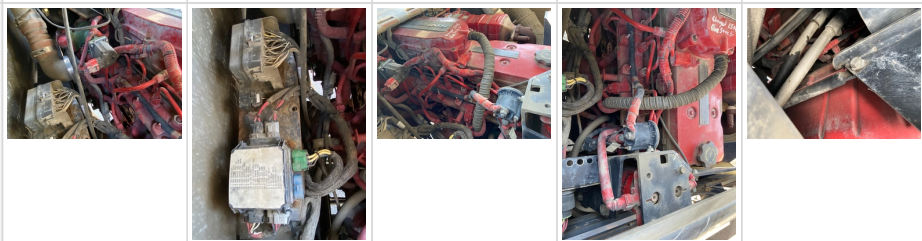

Engine Inspection Points

Engine

Engine Compartment Photos

Engine Data Plate	
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Inspection Report (Rough Terrain Crane)

Engine Compartment Photos	
	
	
	
Engine Type (Make, Model, Cylinders, Hp)	Cummins - QSB6.7 - 6Cyl. - 260HP
Emissions Tier	Tier 4i
Engine Serial Number	73427777
Engine Fuel Type	Diesel
Blow-by (Visual Observation Check)	No
Unusual Noises (Upon Start-up, Idle, Shutdown)	No
Engine Smoke (Upon Start-up, Idle, Shutdown)	No
Engine Exhaust Color	Clear
Battery	3 - Normal Wear & Tear
Battery Condition	Clean & dry appearance, tight connections
Radiator	3 - Normal Wear & Tear
Radiator Condition	Radiator fins & components appear to be in good working order, no signs of damage or leaks
Belts	3 - Normal Wear & Tear
Belt Condition	Belts appear in good condition & alignment with proper tension
Hoses	3 - Normal Wear & Tear


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Hose Condition	Firm, pliant hoses with no signs of wear or leaks
Water Pump	3 - Normal Wear & Tear
Water Pump Condition	No unusual pump noises heard
Cooling System Leaks	No
Coolant Appearance	3 - Normal Wear & Tear
Coolant Appearance Notes	Normal Translucent appearance, no visual signs of contamination
Oil Leaks	No
Oil Appearance	3 - Normal Wear & Tear
Oil Appearance Notes	Clean oil appearance, no signs of cross contamination, Appropriate oil level
Fuel Leaks	No
Equipped with DPF (Diesel Particulate Filter)	Yes
DPF Condition	3 - Normal Wear & Tear
DPF Condition Notes	Filter housing is intact with no signs of damage or malfunction, DPF indicator is not illuminated
Requires DEF (Diesel Exhaust Fluid)	No
Overall Engine Rating	3 - Normal Wear & Tear
Overall Engine Appearance	Clean & dry, Dusty & dry
Overall Engine Comments	Overall engine in well maintained condition. Engine sounds healthy at idle and under load. No operating issues observed.

Drivetrain Inspection Points

Drivetrain

Drivetrain Inspection Points

Drivetrain Photos	
Hydrostatic Transmission?	No
2 Speed?	N/A
Hydrostatic Drive Configuration	Close Coupled Transmission

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Transmission Info (Make/Model/Speeds)	Powershift Transmission
Transmission Components	3 - Normal Wear & Tear
Transmission Condition	Good forward and reverse function, No unusual noises or vibrations
Drive Motors	0
Parking Brake	3 - Normal Wear & Tear
Parking Brake Function	Good brake function
Overall Drivetrain Rating	3 - Normal Wear & Tear
Overall Drivetrain Comments	Machine travels well in all directions. Service brakes and parking brake operate well.

Chassis Photos

Chassis Photos					
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Chassis Inspection Points





Frame	3 - Normal Wear & Tear
Stance	3 - Normal Wear & Tear
Turntable Bearing	3 - Normal Wear & Tear
Front Axle	3 - Normal Wear & Tear
Rear Axle	3 - Normal Wear & Tear
Outriggers	3 - Normal Wear & Tear
Outrigger Pads	3 - Normal Wear & Tear
Overall Chassis	3 - Normal Wear & Tear
Overall Chassis Comments	Main frame and axles in good shape.

Wheels & Tires

Wheels & Tires

Wheels & Tires Inspection Points


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Wheels & Hubs	3
Wheel Seal Leaks	No
Tire Brand	Roadstone
Tire Size	29.5-25
Front Left Tire - Ratio Remaining	70%
Front Left Tire Photos	
Front Right Tire - Ratio Remaining	70%
Front Right Tire Photos	
Rear Right Tire - Ratio Remaining	70%
Rear Right Tire Photos	
Rear Left Tire - Ratio Remaining	70%
Rear Left Tire Photos	

Hydraulics Overall Inspection Points

Hydraulics Overall

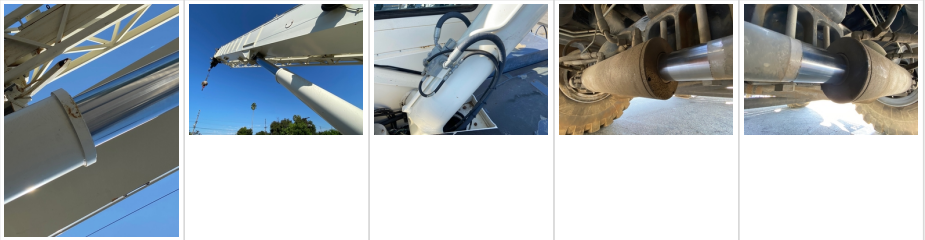



Hydraulic System Inspection Points

Hydraulic System Photos	
Wet or Damp Hydraulic Lines / Fittings	No

Inspection Report (Rough Terrain Crane)

Hydraulic Lines/Fittings	3 - Normal Wear & Tear
Hydraulic Lines / Fittings Condition	Hydraulic lines & fittings are clean and in good condition
Hydraulic Pump(s)	3 - Normal Wear & Tear
Unusual Noises	No
Hydraulic Pump Notes	No unusual noises heard during operation

Hydraulic Cylinder Inspection Points

Hydraulic Cylinder Photos	
	 <p>Minor seepage buildup at suspension cylinders</p>
	
	
Mounting Pins	3 - Normal Wear & Tear
Cylinder Oil Leaks	No
Comments	Minor seepage buildup seen at steer cylinder and suspension cylinder
Hydraulic System Overall	3 - Normal Wear & Tear
Main Hoist	3 - Normal Wear & Tear
Auxiliary Hoist	3 - Normal Wear & Tear
Swing Motor	3 - Normal Wear & Tear

Crane Components - Photos

Crane Component Photos	
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Crane Components - Inspection Points

Counterweight	3 - Normal Wear & Tear
Boom Angle Indicator	3 - Normal Wear & Tear
Main Boom Sections	3 - Normal Wear & Tear
Main Boom Pins	3 - Normal Wear & Tear
Boom Head Section	3 - Normal Wear & Tear
Wear Pads	3 - Normal Wear & Tear
Jib	3 - Normal Wear & Tear
Fairlead	0
Sheaves	3 - Normal Wear & Tear
Main Load Block	3 - Normal Wear & Tear
Overhaul Ball	3 - Normal Wear & Tear

Functional Test

Functionality Assessment

Functionality Assessment

Engine	3 - Normal Wear & Tear
Transmission/Drivetrain	3 - Normal Wear & Tear
Travel (Forward/Reverse/Steering)	3 - Normal Wear & Tear
Brakes	3 - Normal Wear & Tear
Hydraulic System	3 - Normal Wear & Tear
Electric Operating System	3 - Normal Wear & Tear
Controls	3 - Normal Wear & Tear
Safety Systems	3 - Normal Wear & Tear
Core Functions	3 - Normal Wear & Tear
Attachments	3 - Normal Wear & Tear
Overall Functional Test Comments	Overall all of the cranes main functions and power train operating well.

Overall Assessment

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	5 - Like New, Recently Replaced	Excellent condition, free of visible wear or damage. Operation is within factory specifications.
Exterior Rating	3 - Normal Wear & Tear	
Interior Rating	3 - Normal Wear & Tear	
Safety Rating	3 - Normal Wear & Tear	
Quality Rating	4 - Very Light or Minimal Wear	
Functionality Rating	4 - Very Light or Minimal Wear	
Overall Rating	4 - Very Light or Minimal Wear	
Summary Video	Click to Download	
What's Great About the Machine	Crane has been well maintained and no major repairs needed to put this machine to work. The Cab/Operator Station is in great shape. The tires have plenty of tread life left. No leaks from any hydraulic cylinders. The engine and transmission has a well Maintained Appearance.	
What Needs Work	Front right tire getting low and may have slow air leak. Two block not properly connected to main cable. Main hoist reel cable needs to be realigned onto drum.	
Date/Time	09-11-2023	
Inspector Name	Mario Ramirez	