

Location: Fun Spot Atlanta
Fayetteville, GA

TRUCK AND EQUIPMENT CONSULTING LLC – ROUGH TERRAIN CRANE CHECKLIST

Date 3/8/2024
 (Y/M/D)
 Inspector A.L.
 Initials

(Basic Information)	
(Manufacturer)	Link-Belt
(Model Number)	RTC-8050
(Serial Number)	J6J91513
(Year of Manufacturing)	2009
(Hour Meter Reading)	1946.6 Hrs
(Rating / Max Capacity)	50 ton
(Engine Model)	Caterpillar C6.6 ACERT 6.6L I6 225Hp TD
(Transmission)	PowerShift 6 Fwrd + 2 Rev (2 range)
(Drive)	4WD

- A (Near to Brand New or Excellent Condition)
- B (A little Wear and Good Condition)
- C (Fair Workable Condition for Hour Meter Reading)
- D (Workable but minor repair is required)
- E (Workable but major repair is required)

Specification and Dimensions	
GVWR	83,867 lbs
Hydraulic/Eng Oil/Fuel Capacities	Hyd Tank=170 gal / Eng Oil =23.7 qt/Fuel =100 gal
Air Ventilation / Air Cond	Yes A/C (working)
Outriggers	4 Independent + Hydraulic
Main Boom	35 Ft 6 in 4 section
Hydraulic System Relief	3000 psi
Tires	General 23.5 – 25
Steering	2 wheel / 4 wheel / Crab steer
Head	4 Sheave
Rating	16,200 lbs (max line pull)
Axles	Front =41,299 lbs / Rear =42,568 lbs
	Max Spd =20 mph, Bifold Lattice side mount fly Jib
	Braden J6D0009 2 Spd winch sn#09001-90

(Check List)		A	B	C	D	E	(Remarks)
GENERAL APPEARANCE	(General Appearance-Front)		X				Good appearance front cab panels and gaps No wear issues No damage
	(General Appearance-Rear)		X				Good appearance of counterweight, rear panels+gaps No wear or damage
	(General Appearance-Right)		X				Good appearance of Right panels+panel gaps No wear issues or damage
	(General Appearance-Left)		X				Good appearance left side panels+gaps No wear issues or damage
	(General Appearance-Upper)		X	X			Good Upper panels+boom sections Cab Roof weatherstripping wear+tear
	(Major / Minor Surface Rust)		X	X			Some rust on winch fittings Fan Box Casing has rust cancer+damage
	(Body Panels / Covers – Rust Damage / Cancer)		X	X			Some rust on winch fittings Fan Box Casing has rust cancer+damage
	(Visible Weld Repairs / Stress Cracks)		X				No weld repairs or patch repairs seen
	(Glass Condition)		X				Good Glass
	(Chassis / Undercarriage Damage)		X				Good panel appearance and fitment No damage seen
OPERATOR'S COCKPIT	(Operator Cabin)		X	X			Solid floors Complete Some wear+tear cosmetics.cab lights,joystick tape
	(Operator Controls and Switches)		X				Complete Good appearance and function of controls + switchgear
	(Hour Meter Activity)		X				Working
	(Other Gauge Activity)		X				Working Link Belt Driver Digital Display working
	(Door / Canopy Latches)		X				Working
	(Safety – Horn / First Aid Kit)		X				Working
	(Convenience)		X				Good
	(Operator Seat Condition)			X			Seat Bottom torn + damaged
ENGINE	(Safety – Seat Belts / Fire Extinguisher)		X				Yes
	(Oil Color / Fluid Appearance / Particulates or Granules)		X				Normal appearance No blow by seen at operating temp
	(Noise Upon Startup / Noise Upon Idle / Noise Upon Shut Down)		X				No unusual engine noises Smooth idle
	(Engine Exhaust Color – White / Blue / Black / Clear)		X				Clear No smoke issues Clear at operating temp
	(Oil Leaks)		X				No active leaks seen
	(Engine Smoke Upon Startup / Upon Idle / Upon Shut Down)		X				No smoke issues
	(Coolant Color / Fluid Appearance)		X				Normal appearance
	(Water Pump Noises / Damp Hoses / Coolant Leaks)		X				Dry Good appearance of hoses and fittings
	(Coolant Leaks from Radiator)		X				No active leaks seen
	(Overall Engine Appearance Clean / Wet / Dry)		X				Clean and Dry appearance
HYDRAULICS OVERALL	(Overall appearance of Hydraulic lines/fittings – worn/cracked)		X				Good appearance of hoses and fittings No fraying No insulation wear
	(Hydraulic Pump Sounds / Noises)		X				No unusual pump noises
	(Wet or Damp hydraulic lines and fittings / fluid leaks)		X				No leaks No dried seepages seen
	(External Controls / Levers Condition)		X				Good function
ELECTRICAL	(Hydraulics Service Records / Maintenance History)		X				Annual Safety Inspect Cert 8/3/2021 Filters Marked 4/2023
	(Lighting System Condition)						N/A
	(Reverse Alarm / Backup Signal)						N/A
	(Battery Condition)		X				Good
TOWER	(Other Electric Device Condition)		X				Good appearance fuse block and connections
	(Swivel Bearing Condition)		X				Good appearance of swivel bearing
	(Swivel Motor Condition)		X				Good appearance of swivel motor
	(Swivel Joint Condition)		X				Good appearance
TRANSMISSION	(Other Remarks)						
	(Clutch Noise / Function)		X				No unusual noise or vibrations during travels Normal function
	(Transmission Noise / Function)		X				Good forward and Reverse performance No unusual noises
	(Shift Lever Condition & Function)		X				Shifter good appearance and function
	(Other Remarks)						

HYDRAULICS	BOOM	(Oil Leak from Cylinder)	X			No active leaks from Cylinders Seen No pitting or discoloration	
		(Mounting Pin Condition)	X			Clean and Good appearance	
	CABLE	(Appearance)	X			Cable Good appearance No fraying or issues Some minimal surface rust	
		(Condition)	X			Good Condition	
	HOOK	(Swivel Function)	X			Good swivel function	
(Twist Function)		X			Good twist function		
		(Other Remarks)				Good Appearance of all hydraulic components	
WHEEL ASSEMBLIES	(Transom / Boom / Arm Function / Noise)		X			No unusual noises	
	(Slack in Pins / Loose Pins / Soft Bushings)		X			No excess slack or play No unusual vibrations	
	LEFT FRONT WHEEL CYLINDERS / RIMS+HUBS / AXLES		X			Good appearance Dry appearance No rust or wear issues seen	
	RIGHT FRONT WHEEL CYLINDERS / RIMS+HUBS / AXLES		X			Good appearance Dry appearance No rust or wear issues seen	
	LEFT REAR WHEEL CYLINDERS / RIMS+HUBS / AXLES		X			Good appearance Dry appearance No rust or wear issues seen	
	RIGHT REAR WHEEL CYLINDERS / RIMS+HUBS / AXLES		X			Good appearance Dry appearance No rust or wear issues seen	
	(Wheel Condition)	(Front)	Right Front *(A)to(E)	X			Tires+ Rims Good = B / B+
			Left Front *(A)to(E)	X			Tires+ Rims Good = B / B+
		(Rear)	Right Rear	X			Tires+ Rims Good = B / B+
			Left Rear	X			Tires+ Rims Good = B / B+
		(Tread Condition)	X			All Tires Good condition Inner Rims Dry +Clean No rust Good appearance	
M A I N BOOM	(Lift Cylinder)		X			Good function and Good appearance	
	(Wire Rope End)		X			Good appearance	
	(Extend Cylinder Condition)		X			Good appearance	
	(Boom Alignment)		X			Good boom alignment	
LOAD BLOCK & HOOK	(Boom Head Section)		X			Clean and dry No wear issues seen on hydraulic fittings on head section	
	(Wire Rope Retainer)		X			Retainer Clean No damage Good Appearance	
	(Tower and Lift Cylinder Pins)		X			Pins Good Appearance	
	(Sheave / Wear Pads)		X			Sheave wear pads Good Appearance minimal wear	
B R A K E S	(Hook Appearance)		X			Hook Good appearance	
	(Foot Brake)		X			Good function No noise No grinding	
	(Inching Brake)		X			Good	
Undercarriage APPEARANCE	(Parking Brake)		X			Good	
	Front Axle		X			Straight and Dry appearance No damage or issues seen	
	Rear Axle		X			Straight and Dry appearance No damage or issues seen	
	Propeller Shaft		X			Shaft Good appearance Dry No damage or issues seen	
OPERATION	Spring Condition		X			Spring Good appearance	
	FORWARD & REVERSE		X			Smooth travel No unusual noises Good Forward and Reverse response	
	SWING TABLE ROTATION		X			No unusual noises 360 rotation	
	BOOM LIFT / ANGLE / TILT		X			Full extension Angle and tilt	
RATINGS	OVERALL FUNCTIONALITY		X			Working including Rear Steering Good	
	OVERALL VISUAL INSPECTION		X			Good appearance of all hydraulic components, swing table, boom+winch	
	COMMENTS		X			Clean+Dry, minimal rust on a few areas, fan box,cabin cosmetics wear+tear	
	OVERALL PERFORMANCE INSPECTION		X			Good travel functionality Good rotation+boom extension +retraction	
	COMMENTS					Not weight tested on hoist	

OVERALL EXTERIOR RATING: B/B- QUALITY: B
OVERALL INTERIOR RATING: B/B- SAFETY: B
OVERALL PERFORMANCE: B FUNCTIONALITY: B
OVERALL EVALUATION GRADE: B
FLUID SAMPLE REQUEST (Y/N) OIL COOLANT

DIMENSIONS: (Reference only)
Length: 46 Ft 7 in
Width: 11 Ft 1 in
Height: 12 Ft 10 in
GVWR: 83,867 lbs

*A:Remaining Ratio 90% or more
*B:Remaining Ratio 70% or more
*C:Remaining Ratio 50% or more
*D:Remaining Ratio 20% or more
*E:Remaining Ratio 20% or less