

Location: Calex  
Santa Clarita, CA

**TRUCK AND EQUIPMENT CONSULTING LLC – CRANE CHECKLIST**

Date 7/12/2022  
 (Y/M/D)  
 Inspector L.W.  
 Initials

(Basic Information)	
(Manufacturer)	Grove
(Model Number)	RT 528C Rough Terrain Crane
(Serial Number)	72883
(Year of Manufacturing)	1990 (10/89)
(Hour Meter Reading)	5312.9 Hrs
(Rating / Max Capacity)	28 Ton
(Engine Model)	Cummins 6BT 5.9L 130Hp I6 TurboD
(Transmission)	Powershift 6 Fwrd + 6 Rev
(Drive)	4X4

- 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	55,000 lbs
Hydraulic System Capacity	88 gal
Air Ventilation / Air Cond	Yes (A/C Cold)
Outriggers	Yes 4 Independent Hydraulic
Main Boom	3 Section 28 Ft – 70 Ft
Hydraulic System Relief	Main Hoist =2250 psi / Aux =2500 psi
Tires	General Front =20.5 x 25-24/Rear =16.0 x 25-28
Winch/Hoist	No Tow Winch / Single Hoist
No. of Sheaves	4 Sheaves
Front / Rear Axle Wt	Front =26,600 lbs / Rear =27,700 lbs
Other	25-40 Ft lattice extension.Front+Rear+Crab Steer Anti 2 block alarm, DS350G PAT LMI system Hirschmann PRS80 EZ system telemetry monitor

	(Check List)	A	B	C	D	E	(Remarks)
	(General Appearance-Rear)			X			Rear grille panels dented+bent, bumper+steps dented+bent
	(General Appearance-Right)		X				Left panels Good appearance some surface paint cosmetics No damage
	(General Appearance-Left)			X	X		Left door panel removed right door glass removed from door
	(General Appearance-Upper)		X				Upper panels, cab roof, upper boom sections Good appearance
	(Major / Minor Surface Rust)		X				Minimal Some small areas of surface rust Cosmetic only No damage
	(Body Panels / Covers – Rust Damage / Cancer)			X	X		Left door panel removed Rear grille panels,step,bumper dented+bent
	(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 Cabin)		X	X			Some wear+tear cosmetics Solid floors Good panels Complete No damage
OPERATOR'S COCKPIT	(Operator Controls and Switches)		X				Complete Good appearance and function of controls + switchgear
	(Hour Meter Activity)		X				Working
	(Other Gauge Activity)		X				Working
	(Door / Canopy Latches)		X				Working
	(Safety – Horn / First Aid Kit)		X				Working
	(Convenience)		X				Working
	(Operator Seat Condition)		X				Seat Good Condition
	(Safety – Seat Belts / Fire Extinguisher)		X				Yes
E N G I N E	(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 dried seepages seen No wet areas or leaks seen
	(External Controls / Levers Condition)		X				Good function
	(Hydraulics Service Records / Maintenance History)		X				June 2022 Annual Inspection+Load Test Certification
ELECTRICAL	(Lighting System Condition)						N/A
	(Reverse Alarm / Backup Signal)		X				Working
	(Battery Condition)		X				Good
	(Other Electric Device Condition)		X				Load Management Display Good Function
TOWER	(Swivel Bearing Condition)		X				Good appearance of swivel bearing
	(Swivel Motor Condition)		X				Good appearance of swivel motor
	(Swivel Joint Condition)		X				Good appearance
	(Other Remarks)						
TRANSMISSION	(Clutch Noise / Function)						Unit staged for hydraulic and load testing only
	(Transmission Noise / Function)						Unit staged for hydraulic and load testing only
	(Shift Lever Condition & Function)						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				No damage seen Good appearance	
	CABLE	(Appearance)	X				Cable Good appearance No fraying or issues	
		(Condition)	X				Good Condition	
	HOOK	(Swivel Function)	X				Good swivel function	
(Twist Function)		X				Good twist function		
		(Other Remarks)						
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				Dry appearance No damage seen Surface paint cosmetics	
	RIGHT FRONT WHEEL CYLINDERS / RIMS+HUBS / AXLES		X				Dry appearance No damage seen Surface paint cosmetics	
	LEFT REAR WHEEL CYLINDERS / RIMS+HUBS / AXLES		X				Dry appearance No damage seen Surface paint cosmetics	
	RIGHT REAR WHEEL CYLINDERS / RIMS+HUBS / AXLES		X				Dry appearance No damage seen Surface paint cosmetics	
	(Wheel Condition)	(Front)	Right Front *(A)to(E)	X	X			Tires Above Avg = B-/C+
			Left Front *(A)to(E)	X	X			Tires Above Avg = B-/C+
		(Rear)	Right Rear	X	X			Tires Above Avg = B-/C+
			Left Rear	X	X			Tires Above Avg = B-/C+
(Tread Condition)		X	X			Some sidewall cracks and chips Hubs some surface cosmetics		
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	
LOAD BLOCK & HOOK	(Boom Alignment)		X				Good boom alignment	
	(Boom Head Section)		X				Good appearance No damage	
	(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	
	(Hook Appearance)		X				Hook + Ball Good appearance	
B R A K E S	(Foot Brake)						Unit staged for hydraulic and load testing only	
	(Inching Brake)						Unit staged for hydraulic and load testing only	
	(Parking Brake)						Unit staged for hydraulic and load testing only	
Undercarriage APPEARANCE	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	
	Spring Condition		X				Spring Good appearance	
OPERATION	FORWARD & REVERSE						Unit staged for hydraulic and load testing only	
	SWING TABLE ROTATION		X				No unusual noises 360 rotation	
	BOOM LIFT / ANGLE / TILT		X				Full extension Angle and tilt	
	OVERALL FUNCTIONALITY						Unit staged for hydraulic and load testing only	
RATINGS	OVERALL VISUAL INSPECTION			X			Side door removed, Wear+tear paint cosmetics, grille panels dented+bent	
	COMMENTS		X	X			Hydraulics clean+dry No dried seepages No cancer normal wear+tear	
	OVERALL PERFORMANCE INSPECTION		X				Good swing table performance, Good boom extension Good Hydraulics	
	COMMENTS						Travel function and performance not evaluated Good lift+hoist test	

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

**DIMENSIONS:** (Reference only)  
Length: 36 Ft 8 in  
Width: 8 Ft 8 in  
Height: 11 Ft 2 in  
Weight: 55,000 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