

Location: Pavement Recycling  
 Sacramento CA

**TRUCK AND EQUIPMENT CONSULTING LLC – GOLD MILLING MACHINE**

Date (Y/M/D) 5/3/2023  
 Inspector Initials J.E.

(Basic Information)	
(Manufacturer)	Astec Roadtec
(Model Number)	RX 500 2 stage front load out conveyor
(Serial Number)	RX500-3-194
(Year of Manufacturing)	2009
(Hour Meter Reading)	11,023.3 Hrs
(Engine Milling)	s/n 79323331 Cummins QSX-15 600Hp 15L
(Cutting Depth)	13 inch deep
(Cutting Width)	Std 6 Ft 3 in / (7 Ft 2 in Max)

Specification and Dimensions	
Serial Plate/Frame Inscription	Machine CH500-86-134 / Eng # CD500-86-015
Drum Diameter	6 Ft 3 in
No. of Tools/Teeth	Tool Spacing .7 inch
Operating Speed	150 Ft per min
Tracks X4	Track Width = 12 inch
Water Spray Capacity	600 gal
Discharge Belt / Width	32 inch
Discharge Conveyor Swing	60 degree
Operating Height+Length	Op Height =15 Ft 3 in / Op Length =45 Ft
Hydraulic Capacity/Fuel Capacity	Hydraulic Sys =84 gal / Fuel Cap =290 gal
Weight	58,000 lbs
MOBA Hand held Dual Sonic Sensor System w/case	
Calif CARB Registered thru 9/30/2023	

- 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)

	(Check List)						(Remarks)
		A	B	C	D	E	
GENERAL APPEARANCE	(General Appearance-Front)	X	X				Dried seepage on front conveyor roller. Above Average No damage
	(General Appearance-Rear)	X					Good appearance of rear panels, panel gaps,+components No damage
	(General Appearance-Right )	X					Good appearance of right panels, panel gaps,+components No damage
	(General Appearance-Left )	X					Good appearance of left panels, panel gaps,+components No damage
	(General Appearance-Upper )	X	X				Dried seepage on upper hydraulic hoses, some surface rust cosmetics
	(Major / Minor Surface Rust)	X	X				Minor surface rust Cosmetic only
	(Body Panel Rust Damage / Cancer)	X					No Rust Damage No Cancer No panel damage
	(Visible Weld Repairs / Stress Cracks)	X					None seen
	(Deck Frame / Chassis)	X					Above Average appearance, No damage, some surface wear cosmetics
	(Chassis / Undercarriage Frame)		X				Average appearance, Underside hydraulics dried seepage See photos
	(Loader Conveyor Appearance)	X					Good Appearance to loader conveyor No damage seen
	(Loader Belt)	X					Loader Belt Good Appearance
	(Discharge Conveyor Appearance)	X					Discharge Conveyor Good Appearance
	(Discharge Belt)	X					Discharge Belt Good Appearance
	(Milling Drum Appearance)	X					Drum Good Appearance
	(Milling Teeth Appearance - WORN / DAMAGED / MISSING ?)	X	X				Teeth/Tools Good / Above Average Appearance
	(OTHER)						(ROAD SURFACE NOT AVAILABLE TO MILL)
ENGINE	(Oil Color / Fluid Appearance / Particulates or Granuales)	X					No signs of cross contamination No blow by Normal appearance
	(Noise Upon Startup / Noise Upon Idle / Noise Upon Shut Down)	X					Easy startup Smooth idle No noises during startup or shutdown
	(Engine Exhaust Color - White / Blue / Black / Clear)	X					Clear Some small puffs of brown Clear at operating temp
	(Oil Leaks )	X					No Engine oil leaks seen
	(Engine Smoke Upon Startup / Upon Idle / Upon Shut Down)	X					No smoke issues
	(Coolant Color / Fluid Appearance )	X					Normal
	(Water Pump Noises / Damp Hoses / Coolant Leaks)	X					No water pump noises, No seepage seen
	(Coolant Leaks from Radiator)	X					No coolant leaks seen
	(Overall Engine Appearance Clean / Wet / Dry)	X	X				Dirty + dusty dry appearance
(OTHER)	X					Engine Good Performance	
BRAKES	(Overall Brake Function)						Good
	(Parking Brake)						Good

OPERATOR'S Station	(Operator Station)		X				Solid Floors, Good Appearance
	(Operator Controls and Switches)		X				Complete Good Appearance and Functionality
	(Hours Meter Activity)		X				Working
	(Other Gauge Activity)		X				Gauges working
	(Digital Displays)		X				Good function
	(Safety – Horn / First Aid Kit)		X				Working
	(Operator Floor Condition)		X				Good platform floor No rust No damage
	(Lights)		X				LED lights working
HYDRAULICS LIFT + LATERAL	(Overall appearance of Hydraulic lines/fittings – worn/cracked)		X	X			Mostly Above Average Appearance
	(Hydraulic Pump Sounds / Noises)		X				Machine + Carriage Good Hydraulic Lift and Lower Functions
	Wet or Damp hydraulic lines and fittings / fluid leaks)			X			Underside hydraulics have dried seepage piston discoloration See Photos
	(Conveyor Cylinders / Outrigger Cylinders)		X				Conveyor Hydraulics Good Lateral Function Good Appearance
	(Hydraulics Service Records / Maintenance History)						not provided
ELECTRICAL	(Gauge Function)		X				Good Function
	(Switch gear and Control Function)		X				Good Function
	(Starting System Condition)		X				Easy startup
	(Other Electric Device Condition)		X				Lights and accessories working Handheld Sonic Sensor System Working
	(Feed Conveyor Function – FORWARD + REVERSE)		X				Good Forward + Reverse conveyor function
FEED CONVEYOR	(Feed Motor – Leaks ? Unusual Noise ?)		X	X			Some dried seepages seen
	(Loader Belt Function)		X				Good Function
	(Feed Conveyor Head and Tail Pulley)		X				Good Function No Bearing Noises
CRAWL	(FORWARD CRAWL FUNCTION)		X				Good Forward Travel
	(REVERSE CRAWL FUNCTION)		X				Good
	(Shifter Response)		X				Good Shifter Function
	(OTHER)		X				Good Crawl Performance
DISCHARGE CONVEYOR	(Discharge Conveyor Lateral Function – RIGHT + LEFT)		X				Good
	(Discharge Conveyor Motor – Leaks ? Unusual Noises?)		X				No unusual noises
	(Discharge Belt Function)		X				Good
	(Main Conveyor Head and Tail Pulley)		X				Good performance No bearing noises
DRUM	(Drum Controls + Switches)		X				Complete Swithgear and Controls Good Function
	(Drum Motor – Leaks ? Unusual Noise ?)		X				No signs of oil leaks No unusual noises
	(Drum Forward Rotation)		X				Good
	(Drum Reverse Rotation)		X				Good
	(Drum Head Bearings)		X				No bearing noises
	(Drum Tail Bearings)		X				No bearing noises
IF MATERIAL MILLED (Milling Performance)							
FRONT TRACKS X2	F	TRACKS (Right)	Remaining Ratio Of Right *(A)to(E)	X	X		Tracks+Shoes= B- Minimal wear
			Remaining Ratio Of Left *(A)to(E)	X	X		Tracks+Shoes= B- Minimal wear
	TRACKS (Left)	Remaining Ratio Of Right *(A)to(E)	X	X		Tracks+Shoes= B- Minimal wear	
		Remaining Ratio Of Left *(A)to(E)	X	X		Tracks+Shoes= B- Minimal wear	
REAR TRACK X1	R	TRACKS (front)	Remaining Ratio Of Right *(A)to(E)	X	X		Tracks+Shoes= B- Minimal wear
			Remaining Ratio Of Left *(A)to(E)	X	X		Tracks+Shoes= B- Minimal wear
SUMMARY				X			No damage seen Good functionality,underside hydraulics some wear dried
				X	X		seepages discoloration Good hydraulic function+travel No asphalt milled

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

**DIMENSIONS: (ship reference only)**  
Length: 25 Ft 4 in  
Width: 7 Ft 7 in  
Height: 8 Ft 5 in  
Weight: 49,850 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