

Location: Boom and Bucket
Barrington, IL

TRUCK AND EQUIPMENT CONSULTING LLC – EXCAVATOR CHECKLIST (STANDARD)

Date (Y/M/D) 11/8/2023
 Inspector Initials A.R.

(Basic Information)	
(Manufacturer)	Caterpillar
(Model Number)	323FL
(Serial Number)	CAT0323FPYEJ00700
(Year of Manufacturing)	2017
(Hour Meter Reading)	Digital =3573.9 Hrs / Analog =3574.3 Hrs
(Transmission)	Hydrostatic
(Engine Model) Tier IV	Caterpillar C7.1 ACERT 161Hp 7.1L I6 TD
(Hydraulic System/Relief)	Max =5511 psi / Equip+Travel=5076 psi
Fuel /Hydraulic System Capacity	Fuel =108 gal / Hyd Sys =42 gal

- 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	
Serial Plate/Frame Inscription	CAT0323KPYEJ00700
Cabin Canopy (Circle)	Cabin
EPA Certificate / Permits Posted	ROPS / FOPS
Window Venting / Air Conditioning	A/C + Heat (Working)
Fluid Capacities	Hyd Tank=37.8 gal/Eng Oil=6.6 gal/Coolant=7.9 gal
Track Length/Track Gauge	Track length 14 Ft 8 in/ 7 Ft 10 in Track gauge
No. of Shoes	49 (each side)
Track/Carrier Rollers	Track Rollers =8/Carrier Rollers=2 (each side)
Attachments Hammer s/n HHC00936	CAT H120ES Hammer Drill 3520 lbs
Attachments s/n not visible	Quest Hydraulic Mechanical Concrete Processor
Attachments 2 buckets Loader+Skeleton	CAT 48 in 1.8 yd3 / Skeleton Bkt (no id number)
	Rear View Camera, Aux hydraulics,Quick Coupler

		(Check List)					(Remarks)
		A	B	C	D	E	
GENERAL APPEARANCE	(General Appearance-Front)			X	X		Panel discoloration, surface wear+tear, underside stick wavy panel+ worn
	(General Appearance-Rear)			X			Recent RePaint Counterweight has some dents, surface scratches
	(General Appearance-Right)			X			Previous Repaint lower side panels dings+dents Some cosmetics
	(General Appearance-Left)			X			Previous Repaint lower side panels dings+dents Some cosmetics
	(General Appearance-Upper)		X				Cab roof, upper surfaces and upper panels Good appearance No damage
	(Major / Minor Surface Rust)		X				No rust damage
	(Body Panels / Covers - Rust Damage / Cancer)			X			Underside panel of stick has wavy panel No cancer or rust damage
	(Visible Weld Repairs / Stress Cracks)		X				No weld repairs seen No cracks or damage to structure or crossmembers
	(Glass Condition)		X				Good Glass
	(Chassis / Undercarriage Damage)		X	X			Some dings and dents underside panels
OPERATOR'S COCKPIT	(Operator Cabin)		X				Good cabin appearance Solid floors Good panels No damage seen
	(Operator Controls and Switches)		X				Complete Good appearance and function switchgear and controls
	(Hour Meter Activity)		X				Working
	(Other Gauge Activity)		X				Good digital driver display Rear Camera Working
	(Door / Canopy Latches)		X				Good function all latches and doors
	(Safety - Horn / First Aid Kit)		X				Working
	(Operator Seat Condition)		X				Good appearance No damage
	(Safety - Seat Belts / Fire Extinguisher)		X				Yes
E N G I N E	(Oil Color / Fluid Appearance / Particulates or Granuales)		X				Good appearance No signs of cross contamination No Oil Blow By
	(Noise Upon Startup / Noise Upon Idle / Noise Upon Shut Down)		X				Easy and quick start up Smooth Idle
	(Engine Exhaust Color - White / Blue / Black / Clear)		X				Clear at Start up Clear at Operating Temps
	(Oil Leaks)		X				No active oil leaks seen No signs of dried seepages
	(Engine Smoke Upon Startup / Upon Idle / Upon Shut Down)		X				No smoke issues Smooth idle No unusual noises
	(Coolant Color / Fluid Appearance)		X				Good appearance of coolant No signs of cross contamination
	(Water Pump Noises / Damp Hoses / Coolant Leaks)		X				No cooling system noises or leaks
	(Coolant Leaks from Radiator)		X				No leaks or dried seepages seen
	(Overall Engine Appearance Clean / Wet / Dry)		X				Clean and dry engine appearance
HYDRAULICS OVERALL	(Overall appearance of Hydraulic lines/fittings - worn/cracked)		X	X			Some discoloration on hydraulic rams See Photos
	(Hydraulic Pump Sounds / Noises)		X				No unusual pump noises during operations
	(Wet or Damp hydraulic lines and fittings / fluid leaks)			X	X		Areas of dried seepages and dampness some wetness See Photos
	(External Controls / Levers Condition)		X				Good appearance and function
	(Hydraulics Service Records / Maintenance History)						Filter marked @ 3168 Hrs

ELECTRICAL	(Lighting System Condition)		X				Working	
	(Reverse Alarm / Backup Signal)		X				Working	
	(Battery Condition)		X				Good appearance	
	(Other Electric Device Condition)		X				Electrics Good function Display sharp and clear Rear View Camera clear	
SWING TABLE	Swivel Bearing Condition		X				Good 360 Rotation both directions No unusual noises	
	Swivel Motor Condition		X				Good performance	
	Swivel Joint Condition		X	X			Areas of dried seepages and dampness some wetness See Photos	
	(Other Remarks)			X			Areas of dried seepages and dampness some wetness See Photos	
TRANSMISSION	(Hydrostatic Noise / Function)		X				No noises or vibrations during travel	
	(Transmission Noise / Function)		X				Good forward and reverse No hesitation or unusual noises	
	(Shift Lever Condition & Function)		X				Good shifter response	
	(Other Remarks)		X				Good transmission function	
HYDRAULICS CYLINDERS	BOOM	(Oil Leak from Cylinder)		X			Some Dried seepages and panel discoloration See Photos	
		(Mounting Pin Condition)		X			Some Dried seepages and panel discoloration See Photos	
	DIPPER	(Oil Leak from Cylinder)		X			Some Dried seepages and panel discoloration See Photos	
		(Mounting Pin Condition)		X			Some Dried seepages and panel discoloration See Photos	
	BUCKET	(Oil Leak from Cylinder)		X			Some Dried seepages and panel discoloration See Photos	
		(Mounting Pin Condition)		X			Some Dried seepages and panel discoloration See Photos	
(Other Remarks)				X		Areas of heavy wear+tear on pins+panels Hoses+Fittings look good		
CRAWLER & WHEEL ASSEMBLIES	(Transom / Boom / Arm Function / Noise)		X				No unusual noises or vibrations Smooth and quiet	
	(Slack in Pins / Loose Pins / Soft Bushings)		X				No excess slack or wiggle No travel noises	
	LEFT SIDE Link Bush / Drive Sprocket / Shoe Condition		X				B- Good appearance	
	RIGHT SIDE Link Bush / Drive Sprocket / Shoe Condition		X				B- Good appearance	
	LEFT SIDE Upper & Lower Roller / Front Idler Condition		X				B- Good appearance	
	RIGHT SIDE Upper & Lower Roller / Front Idler Condition		X				B- Good appearance	
	(Roller Condition)	(Front)	Right Front *(A)to(E)	X				B- Good Minimal surface wear
			Left Front *(A)to(E)	X				B- Good Minimal surface wear
		(Rear)	Right Rear	X				B- Good Minimal surface wear
			Left Rear	X				B- Good Minimal surface wear
(Track Condition)		X				Good appearance of grousers No damage		
ATTACHMENTS	Quest Hydraulic Mechanical Concrete Processor		X				Good Jaws appearance Good hydraulic function (2K lb bucket lifted)	
	CAT Hydraulic Hammer		X				Good appearance Hammer and drill function (Holes punched in ground)	
	CAT Loader Bucket		X				Good appearance No damage seen	
	CAT Skeleton Bucket		X				Good appearance No damage seen	
	Quick Coupler		X				Good Quick Coupler function and performance all attachments tested	
	Other		X				Good Hydraulic function+performance All Attachments	
BRAKES	(Foot Brake)		X				Good brake function	
	(Inching Brake)		X				Good	
	(Parking Brake)		X				Good function	
FRAME APPEARANCE	Front		X				Good chassis and frame appearance Good crossmembers	
	Rear		X				Good chassis and frame appearance Good crossmembers	
	Center		X				Good chassis and frame appearance Good crossmembers	
	Spring Condition		X				Good appearance	
OPERATION	FORWARD & REVERSE		X				Good Forward and Reverse travel No noise No hesitation	
	SWING TABLE ROTATION		X				Smooth and quiet Good 360 rotation both directions	
	BOOM LIFT / ANGLE / TILT		X				Good Lift / Tilt / Angle performance	
	OVERALL FUNCTIONALITY		X				Good Functionality and Performance	
RATINGS	OVERALL VISUAL INSPECTION			X			Heavy wear+tear cosmetics to exterior panels,Wavy underside stick panel	
	COMMENTS		X	X			Some hydraulic seepages, Good interior, good undercarriage, and engine	
	OVERALL PERFORMANCE INSPECTION		X				Good hydraulic performance, good engine, steering, brakes, and controls	
	COMMENTS		X				All systems show good travel good function	

OVERALL EXTERIOR RATING: C QUALITY: C
 OPERATORS STATION RATING: B SAFETY: B
 OVERALL PERFORMANCE: B FUNCTIONALITY: B
 OVERALL GRADE EVALUATION: **C/C+**
 FLUID SAMPLE REQUEST (Y/N) n ENG OIL n HYDRAULIC n

Dimensions: (transport reff only)

Length: 31 Ft 4 in
 Width: 10 Ft 5 in
 Height: 10 Ft 3 in
 Weight: 50,900 lbs (Op wt)

*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