

Location: Boom and Bucket

TRUCK AND EQUIPMENT CONSULTING LLC – EXCAVATOR CHECKLIST (STANDARD)

Date
(Y/M/D)

3/20/2023

Inspector
Initials

J.M.

(Basic Information)	
(Manufacturer)	Caterpillar
(Model Number)	315CL
(Serial Number)	CAT0315GVCFT00370
(Year of Manufacturing)	2001
(Hour Meter Reading)	17,390.0 Hrs
(Engine Model)	CAT 3046T I6 110Hp 5.0L TurboDiesel
(Transmission)	Hydrostatic
(Operating Weight)	36,930 lbs

Specification and Dimensions	
Serial Plate/Frame Inscription	CAT0315GVCFT00370
Cabin Canopy (Circle)	Enclosed Cabin
EPA Certificate / Permits Posted	ROPS / FOPS
Window Venting / Air Conditioning	A/C
Track Gauge	6 Ft 6 in
Track Length	13 Ft
Hydraulic Relief Pressure	4980 psi (Travel + Implement circuits)
Hydraulic Tank/Engine Oil/Coolant	Hyd Tank= 28 gal/ Eng Oil= 5 gal/ Coolant= 5.8 gal
Track Rollers/Carrier Rollers (per side)	Track Rollers =7 / Carrier Rollers =2
Hydraulic System	50.2 gal
Other	Hydraulic Thumb

- 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)	A	B	C	D	E	(Remarks)
GENERAL APPEARANCE	(General Appearance-Front)		X				Good appearance of boom, stick, front panels+gaps No damage
	(General Appearance-Rear)		X				Counterweight Good appearance Rear components Good No damage
	(General Appearance-Right)		X				Good appearance Right side panel fitment+panel gaps, No damage
	(General Appearance-Left)		X				Good appearance Left side panel fitment+panel gaps, No damage
	(General Appearance-Upper)		X				Good Upper panels, Good Cabin structure and ROPS Good appearance
	(Major / Minor Surface Rust)		X				No rust issues
	(Body Panels / Covers – Rust Damage / Cancer)		X				No rust cancer Older repaint No panel damage Good appearance
	(Visible Weld Repairs / Stress Cracks)		X				None seen
	(Glass Condition)		X				Good Glass
	(Chassis / Undercarriage Damage)		X				Good appearance underside panels + chassis No damage seen
OPERATOR'S COCKPIT	(Operator Cabin)		X				Good appearance Solid floors Good panels No damage
	(Operator Controls and Switches)		X				Complete + Good Functionality
	(Hour Meter Activity)		X				Hours Meter Working
	(Other Gauge Activity)		X				Display Working
	(Door / Canopy Latches)		X				Good function of door latches and cover latches
	(Safety – Horn / First Aid Kit)		X				Working
	(Operator Seat Condition)		X				Good Seat
	(Safety – Seat Belts / Fire Extinguisher)		X				Yes
	(Oil Color / Fluid Appearance / Particulates or Granuales)		X				Good appearance No smells of indicators of cross contamination issues
	(Noise Upon Startup / Noise Upon Idle / Noise Upon Shut Down)		X				Easy start No unusual noises at start up Good idle
E N G I N E	(Engine Exhaust Color – White / Blue / Black / Clear)		X				Clear at start up Stays Clear at Operating Temp
	(Oil Leaks)		X				No leaks seen
	(Engine Smoke Upon Startup / Upon Idle / Upon Shut Down)		X				No smoke issues at start up or at operating temp
	(Coolant Color / Fluid Appearance)		X				Normal appearance and odor
	(Water Pump Noises / Damp Hoses / Coolant Leaks)		X				No pump noises, No damp hoses No leaks seen
	(Coolant Leaks from Radiator)		X				No leaks seen
	(Overall Engine Appearance Clean / Wet / Dry)		X				Clean and Dry appearance
	(Overall appearance of Hydraulic lines/fittings – worn/cracked)		X				Good appearance No signs of seepages no fraying or damages seen
	(Hydraulic Pump Sounds / Noises)		X				No unusual noises under load or at pressure
	(Wet or Damp hydraulic lines and fittings / fluid leaks)		X				No damp lines No seepage No leaks seen
HYDRAULICS OVERALL							

	(External Controls / Levers Condition)		X				Complete Good function
	(Hydraulics Service Records / Maintenance History)		X				Labeled 17,295 Hrs @ 11/30/2022
ELECTRICAL	(Lighting System Condition)		X				Working
	(Reverse Alarm / Backup Signal)						N/A
	(Battery Condition)		X				Batteries and Battery Compartment Good appearance No rust or damage
	(Other Electric Device Condition)						
SWING TABLE	Swivel Bearing Condition		X				Good 360 rotation both direction No vibrations No grinding noises
	Swivel Motor Condition		X				Good performance
	Swivel Joint Condition		X				Good appearance
	(Other Remarks)		X				
TRANSMISSION	(Clutch Noise / Function)		X				Good function No transmission vibrations or noises
	(Transmission Noise / Function)		X				Good Forward and Reverse Function
	(Shift Lever Condition & Function)		X				Good shifter functionality
	(Other Remarks)		X				Good performance + functionality
HYDRAULICS CYLINDERS	BOOM	(Oil Leak from Cylinder)	X				Clean rams Pistons good appearance No pitting or discoloration
		(Mounting Pin Condition)	X				Good pin appearance No damage or dried seepages seen
	DIPPER	(Oil Leak from Cylinder)	X				Clean rams Pistons good appearance No pitting or discoloration
		(Mounting Pin Condition)	X				Good pin appearance No damage or dried seepages seen
	BUCKET	(Oil Leak from Cylinder)	X				Clean rams Pistons good appearance No pitting or discoloration
		(Mounting Pin Condition)	X				Good pin appearance No damage or dried seepages seen
	(Other Remarks)						Good appearance of hydraulic components
CRAWLER & WHEEL ASSEMBLIES	(Transom / Boom / Arm Function / Noise)		X				No hydraulic noises during operations
	(Slack in Pins / Loose Pins / Soft Bushings)			X	X		Loud and noisy screeching during travel forward and reverse
	LEFT SIDE Link Bush / Drive Sprocket		X	X			B-/C+ = Above Average appearance of left side sprocket teeth+bushings
	RIGHT SIDE Link Bush / Drive Sprocket		X	X			B-/C+ = Above Average appearance of left side sprocket teeth+bushings
	LEFT SIDE Upper & Lower Roller / Front Idler Condition			X			C = Average Some wear+tear surfaces of left side rollers+idler
	RIGHT SIDE Upper & Lower Roller / Front Idler Condition			X			C = Average Some wear+tear surfaces of right side rollers+idler
	(Track Condition)		X	X			B-/C+ = Average appearance of grousers Tracks Straight Noisy Travel
	(Bucket Edge)		X				Good front appearance of bucket
	(Bucket Bottom / Reinforced / Plate Condition)		X				Good bottom appearance No damage
	(Bucket Link Condition)		X				Bucket links Good appearance No damage or issues seen
BUCKET	(Side Cutter Condition)		X				Good appearance No damage
	(Thumb Condition)		X				Good appearance of thumb components No damage
	(Thumb Cylinder)		X				Good appearance Hydraulic thumb Cylinder Dry no pitting or discoloration
	(Thumb Pin Appearance)						Good pin appearance No damage or dried seepages seen
	(Thumb Function)		X				Good open and close function
	(Bucket Function)		X				Bucket Good Curl and function
	(Foot Brake)		X				Good brake function
	(Inching Brake)		X				Good
	(Parking Brake)		X				Good
	Front Panel		X				Underside panels front section Good appearance No damage
UNDERSIDE PANELS	Rear Panels		X				Underside panels rear section Good appearance No damage
	Center Panels		X				Underside panels center section Good appearance No damage
	Spring Condition		X				Good appearance
Undercarriage APPEARANCE	FORWARD & REVERSE		X				Good Forward and Reverse travel
	SWING TABLE ROTATION		X				Good 360 both direction no grinding noises or unusual vibrations
	BOOM LIFT / ANGLE / TILT		X				Good boom function and travel
	OVERALL FUNCTIONALITY		X				Good Functionality
OPERATION	OVERALL VISUAL INSPECTION		X				Good appearance of panels+gaps,hydraulics, No rust No damage Straight
	COMMENTS		X				Clean+dry appearance Some older repaint+ overspray engine compartmnt
	OVERALL PERFORMANCE INSPECTION		X				Good Engine + transmission + swing table and hydraulic performance
	COMMENTS		X	X			Undercarriage travel loud screeching noisy

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

TRANSPORT DIMENSIONS: (reff only)

Length: 28 Ft
 Width: 8 Ft 10 in
 Height: 9 Ft 10 in
 Weight: 36,930 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