

Location: Brock Reynolds
Kamas, Utah

TRUCK AND EQUIPMENT CONSULTING LLC – EXCAVATOR CHECKLIST (STANDARD)

Date (Y/M/D) 10/25/2022
 Inspector Initials J.F.

(Basic Information)	
(Manufacturer)	Caterpillar
(Model Number)	314EOR
(Serial Number)	CAT0314ECECNO1426
(Year of Manufacturing)	2016
(Hour Meter Reading)	1481.3 Hrs
(Engine Model)	Tier IV CAT C4.4 ACERT 89 Hp 4.4L I6 TurboD
(Transmission)	Hydrostatic Hi + Low
(Max Op Weight/Counterweight)	32,600 lbs / 3.4 ton
(No.of Shoes)	46 (per side)

Specification and Dimensions	
Serial Plate/Frame Inscription	CAT0314ECECNO1426
Cabin/Canopy (Circle)	Enclosed Cab
EPA Certificate / Permits Posted	EROPS / EFOPS
Window Venting / Air Conditioning	Automatic Climate Control A/C + Heat (working)
Track Length/Gauge	Length =12 Ft 4 in / Gauge =6 Ft 6 in
Track/Carrier Rollers	Track Rollers =7/ Carrier Rollers =2 (per side)
Hydraulic Relief Pressure	Travel Circuit =5080 psi/ Equip =4420 psi
Hydraulic Fluid/Engine Oil/Coolant	Hyd Tank=22 gal/Eng Oil=3.6 gal/Coolant =7.4 gal
Hydraulic System/Fuel Capacity	Hyd Sys =42 gal / Fuel =47 gal
Other	Backfill Blade 8 Ft 6 in / 1790 lbs Rear View Camera, Light Package

- 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				Good appearance front panels, components, boom+stick No damage
	(General Appearance-Rear)		X				Good appearance of counterweight, rear panels+gaps No damage
	(General Appearance-Right)		X				Good appearance side panels+gaps, No damage
	(General Appearance-Left)		X				Good appearance side panels+gaps, No damage
	(General Appearance-Upper)		X				Cabin ROPS frame+structure, upper panels+surfaces Good appearance
	(Major / Minor Surface Rust)		X	X			Some surface rust on sprockets,rollers,idler outer Track Guards rusty
	(Body Panels / Covers - Rust Damage / Cancer)		X				No panel damage Some small areas of surface rust cosmetics on panels
	(Visible Weld Repairs / Stress Cracks)		X				No weld repairs, no patch repairs, no hairline stress cracks seen
	(Glass Condition)		X				Good glass
	(Chassis / Undercarriage Damage)		X				Underside panels straight No damage Good panel gaps Dry appearance
OPERATOR'S COCKPIT	(Operator Cabin)		X				Clean, Complete+Straight, Solid Floors, Good Appearance
	(Operator Controls and Switches)		X				Complete Good function
	(Hour Meter Activity)		X				Working
	(Other Gauge Activity)		X				Rear View Camera Working, Displays sharp+clear No service codes
	(Door / Canopy Latches)		X				Latches + panels Good Working condition
	(Safety - Horn / First Aid Kit)		X				Working
	(Operator Seat Condition)		X				Seat Good No damage
	(Safety - Seat Belts / Fire Extinguisher)		X				Yes
ENGINE	(Oil Color / Fluid Appearance / Particulates or Granuales)		X				Good oil level and appearance No blow by seen at operating temps
	(Noise Upon Startup / Noise Upon Idle / Noise Upon Shut Down)		X				No unusual noises at startup or shut down Smooth idle
	(Engine Exhaust Color - White / Blue / Black / Clear)		X				Clear
	(Oil Leaks)		X				No active oil leaks seen
	(Engine Smoke Upon Startup / Upon Idle / Upon Shut Down)		X				No smoke issues at start up, during operations, or at shut down
	(Coolant Color / Fluid Appearance)		X				Good appearance of coolant
	(Water Pump Noises / Damp Hoses / Coolant Leaks)		X				No pump noises, No damp hoses No leaks seen
	(Coolant Leaks from Radiator)		X				No dried seepages seen No discoloration on radiator fins or tanks
(Overall Engine Appearance Clean / Wet / Dry)		X				Good Engine +compartment appearance Clean and Dry	
HYDRAULICS OVERALL	(Overall appearance of Hydraulic lines/fittings - worn/cracked)		X				Good appearance all hoses & all fittings No dried seepages or fraying
	(Hydraulic Pump Sounds / Noises)		X				No clicking No unusual noises under load or at pressure
	(Wet or Damp hydraulic lines and fittings / fluid leaks)		X				Pistons and rams clean No pitting No discoloration or dried seepages
	(External Controls / Levers Condition)		X				Good condition all controls
(Hydraulics Service Records / Maintenance History)							not labeled / not provided

ELECTRICAL	(Lighting System Condition)	X			Lights Working + Complete No damage
	(Reverse Alarm / Backup Signal)				N/A
	(Battery Condition)	X			Good battery compartment and battery + cables appearance
	(Other Electric Device Condition)	X			No loose or dangling wires, harness+fuses good appearance
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			Good Functionality + Performance
TRANSMISSION	(Clutch Noise / Function)	X			No delays, vibrations, or unusual noises
	(Transmission Noise / Function)	X			No delay or noises into forward or reverse Good Function
	(Shift Lever Condition & Function)	X			Good shifter functionality
	(Other Remarks)	X			Good performance + functionality
HYDRAULICS CYLINDERS	BOOM	(Oil Leak from Cylinder)	X		Good appearance Clean + dry No dried seepages
		(Mounting Pin Condition)	X		Pins Good appearance
	DIPPER	(Oil Leak from Cylinder)	X		Good appearance Clean + dry No dried seepages
		(Mounting Pin Condition)	X		Pins Good appearance
	BUCKET	(Oil Leak from Cylinder)	X		Good appearance Clean + Dry No dried seepages seen
		(Mounting Pin Condition)	X		Pins Good appearance
	(Other Remarks)	X		Good Hydraulics Good Response and Good Function Smooth Performance	
CRAWLER & WHEEL ASSEMBLIES	(Transom / Boom / Arm Function / Noise)	X			No unusual noises Good function
	(Slack in Pins / Loose Pins / Soft Bushings)	X	X		Some squeaking noises from links Normal track movement
	LEFT SIDE Link Bush / Drive Sprocket / Shoe Condition	X	X		Surface rust on outer sprocket surfaces+teeth Some wear+tear on pads
	RIGHT SIDE Link Bush / Drive Sprocket / Shoe Condition	X	X		Surface rust on outer sprocket surfaces+teeth Some wear+tear on pads
	LEFT SIDE Upper & Lower Roller / Front Idler Condition	X	X		Surface rust on rollers + idler Some pads are chipped and broken
	RIGHT SIDE Upper & Lower Roller / Front Idler Condition	X	X		Surface rust on rollers + idler Some pads are chipped and broken
BUCKET	(Track Condition)	X	X		Above Average (see photos)
	(Bucket Edge)	X			Deflectors Good Appearance
	(Bucket Bottom / Reinforced / Plate Condition)	X			No rust No damage to bucket seen
	(Bucket Link Condition)	X			Good link appearance
BRAKES	(Side Cutter Condition)	X			Good
	(Thumb)				N/A
	Other Comments	X			Good hydraulic curl+articulation
	(Foot Brake)	X			Good brake function
	(Inching Brake)	X			Good
	(Parking Brake)	X			Good
UNDERSIDE	Front Panel	X			Good underside panels+gaps No damage Dry appearance No damage
	Rear Panels	X			Good underside panels+gaps No damage Dry appearance No damage
	Center Panels	X			Good underside panels+gaps No damage Dry appearance No damage
	Spring Condition	X			Good appearance
OPERATION	FORWARD & REVERSE	X			Good Forward and Reverse Function
	SWING TABLE ROTATION	X			No Noises Good 360 both direction
	BOOM LIFT / ANGLE / TILT	X			Good boom function and travel
	OVERALL FUNCTIONALITY	X			Good Functionality
OPERATION	OVERALL VISUAL INSPECTION	X			Good appearance of panel gaps,hydraulic hoses,fittings,+ pistons clean+dry
	COMMENTS	X	X		Rusty track frames, surface rust sprockets+idlers, some shoes damaged
	OVERALL PERFORMANCE INSPECTION	X			Travel performance good, controls+functions good, Good performance
	COMMENTS	X			Good engine, hydraulic performance and function

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

TRANSPORT DIMENSIONS: (ref only)

Length: 26 Ft 3 in
 Width: 8 Ft 6 in
 Height: 9 Ft 11 in
 Weight: 32,600 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