

## 2014 CAT 349FL TRACK EXCAVATORS

### INSPECTION DETAILS

|                   |                            |
|-------------------|----------------------------|
| Inspection Type   | Trade                      |
| Inspection Form   | Z FORM                     |
| Inspection #      | 10081820                   |
| Inspection Status | Inspected                  |
| Created           | 11/28/23 08:01:55          |
| Updated           | 11/28/23 12:17:42          |
| Created By        | Oelfke, Keith A.           |
| Inspector         | Oelfke, Keith A.           |
| Reviewers         | Oelfke, Keith A.           |
| Salesperson       | Mullen, Christopher J.     |
| Engine Serial #   | T4F01126                   |
| Serial #          | BZ200165                   |
| SMU / Hours       | 13,014                     |
| Location          | ST PAUL, MN, United States |



### FEATURES

#### General

- Air Conditioner
- Boom - 1 Piece  
*24' 3" LONG REACH*
- Counterweight Removal System  
*HYDRAULIC*
- Coupler - Quick
- Coupler Type - Hydraulic
- Engine Enclosures
- Lighting
- Mirrors
- Product Link  
*PL542*
- Radio - AM FM Radio
- Stick - Medium  
*14' 1"*
- Straight Travel Pedal
- Undercarriage, Long

#### Emissions

- EPA Label
- Ultra Low Sulfur Diesel Fuel  
*TIER 4 FINAL*

#### Technology

- Pilot Control

### NOTES

CAB ROPS, HEATER, A/C, LIGHTS, STANDARD RADIO, HEATED & AIR SUSPENSION SEAT WITH COVER, PRODUCT LINK PL542, REARVIEW CAMERA, TIER 4 FINAL EMISSIONS, EITHER AID, ENGINE COOLANT HEATER, SWIVEL GUARD, HAND

CONTROLLED PATTERN CHANGER, FINE SWING CONTROL, HEAVY LIFT, STRAIGHT TRAVEL PEDAL, HYDRAULIC COUNTERWEIGHT REMOVAL SYSTEM, 14' 1" STICK LENGTH, 24' 3" LONG REACH BOOM, CAT HYDRAULIC COUPLER, EMPIRE 48" ROUND CORNER SAND BUCKET. NOTE: THE CUSTOMER SAID THE MACHINE WILL BE TRADED AS DESCRIBED.

CONDITION

Good

Fair

Poor

Approved Repair

GENERAL APPEARANCE

|                                                                                                                                                          |                         |                                                                                                                                             |                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <div>Bumper</div> <div><div><div></div><div></div></div></div> <div>THE LOWER FRONT CAB BUMPER IS BENT MINOR OVERALL SO RECOMMEND SELLING AS IS.</div>   | <div><div>1</div></div> | <div>Car Body</div> <div><div><div></div><div></div></div></div>                                                                            | <div>Counterweight</div> <div><div><div></div><div></div><div></div></div></div>                                       |
| <div>Crankcase Guard / Battery Box</div> <div><div><div></div><div></div></div></div> <div>THE CAB BELLY PAN IS BENT BADLY BUT THE REST LOOK GOOD.</div> | <div><div>1</div></div> | <div>Decals</div> <div><div><div></div></div></div> <div>New Installed</div> <div>REMOVE CUSTOMER DECALS AND INSTALL CAT BOOM DECALS.</div> | <div>Draw Bar</div> <div><div><div></div><div></div><div></div></div></div>                                            |
| <div>Eng. Enclose Hood / Stack</div> <div><div><div></div><div></div><div></div></div></div>                                                             |                         | <div>Engine Doors</div> <div><div><div></div><div></div><div></div></div></div>                                                             | <div>Fuel Tank</div> <div><div><div></div><div></div><div></div></div></div>                                           |
| <div>Grab Irons</div> <div><div><div></div></div></div> <div>THE L.H. FRONT GRAB IRON NEEDS TO BE REPLACED.</div>                                        | <div><div>1</div></div> | <div>Hood</div> <div><div><div></div><div></div><div></div></div></div>                                                                     | <div>Main Frame Welds</div> <div><div><div></div><div></div><div></div></div></div> <div>NO CRACKS WERE SEEN.</div>    |
| <div>Paint</div> <div><div><div></div><div></div></div></div> <div>LOOKS OK FOR THE AGE.</div>                                                           |                         | <div>Sheet Metal</div> <div><div><div></div><div></div></div></div> <div>THE SWIVEL GUARD IS BENT IN BADLY.</div>                           | <div><div>1</div></div> <div>Steps / Ladder</div> <div><div><div></div><div></div></div></div> <div>MINOR DINGS.</div> |
| <div>Cleaning Required</div> <div>YES</div> <div>WILL NEED GENERAL CLEANING.</div>                                                                       |                         | <div>S.O.S. Taken</div> <div>NO</div>                                                                                                       |                                                                                                                        |

Notes - GENERAL APPEARANCE  
THE MACHINE IS STRAIGHT FOR THE HRS SO WILL NEED SOME DECALS REMOVED AND CAT ONES INSTALLED WITH A GOOD CLEANING.

SAFETY ITEMS

Brake Hold



Horn



BUTTON IS HARD AND WONT SOUND  
SO REPAIR AS NEEDED.

Swing Brake



Cab Guards

**NO**

Certification tag

**YES**

THE CERTIFICATION TAG IS IN  
PLACE.



ROPS

**YES**

THERE IS DAMAGE TO THE  
LOWER VANDALISIM GURD  
MOUNTING LUGS ON THE  
LOWER FRONT OF CAB. IT'S VERY  
MINOR SO LOOK AT PICTURES



Repaired by CAT. New  
certification decal installed

Safety Decals In Place

**YES**

Safety Decals Legible

**YES**

Notes - SAFETY ITEMS



THE R.H. LOWER OUTER SHEET  
METAL IS BOWED OUT A LITTLE  
BUT THERE IS NO SIGN OF ROPS  
RELATED IMPACT THAT CAUSED  
IT.

## GAUGES, OPERATOR STATION, CONSOLE

Air Conditioner



TO COLD TO BE TESTED.

Dash Console



Door Latches



Floor Boards



Gauges



Glass/Mirrors

Replaced



THE TOP FRONT GLASS IS CRACKED  
BADLY NEEDING REPLACEMENT.

Heater



Interior Lights



Meter



ACCURATE.



Product Link



PL542

Seat Cushion / Arm Rest



HAS A THIN COVER BUT LOOKS GOOD  
UNDERNEATH.



Switches



Windshield Wipers  


Back Up Alarm  
**YES**

Current O&MM  
**YES**

**ENGINE**

Air Cleaners  


Belts / Pulleys  


Emission system  
  
DPF cleaned 1-23 by CAT

Engine Supports  


Exhaust / Muffler  


Fuel Injection System  


Governor  


Oil Filter Condition (CUT)  
  
CHANGED & SAMPLED 164 HRS AGO  
WITH SAMPLE RETURNING NORMAL.

Operating Condition - ENGINE  


Turbocharger / Blower  


Blow By  
**YES**  
MODERATE

Compression in Radiator  
**NO**

Emissions Decal **1**  
**YES**  
THE LABEL IS NOT READABLE SO  
INSTALL A NEW ONE.

Fluid Levels OK?  
**YES**

Knocking  
**NO**

Oil Leaks **3**  
**YES**  
LEVEL 1 LEAK ON THE OIL PAN  
SO WASH OFF.

Water in Oil  
**NO**

Anti-Freeze Color  
NORMAL COLOR BUT LOW DUE  
TO COLD WEATHER LEAKS AND  
EXPANSION TANK LEAKING AT A  
MOUNT. SEE COOLING SECTION.

NOTES - EMISSIONS SYSTEM  
DPF WAS REPLACED WITH A  
REMAN 6-18. COMBUSTION  
HEAD REPLACED 3-20 4,814 HRS  
AGO. DPF ASH SERVICED 1-23  
892 HRS AGO. THE EMISSIONS  
SYSTEM IS FUNCTIONING  
NORMAL.

Notes - ENGINE  
THE ENGINE IS ORIGINAL BUT  
RUNNING SMOOTH. IT CAN RUN  
THIS WAY BUT THE HRS ARE  
HIGH SO GUARANTEES. RECENT  
SAMPLE IS GOOD SO RUN AS IS  
FOR NOW WITH COLD WEATHER  
LEAKS REPAIRED.

Oil Pressure (H/L/N)  
NORMAL

Smoke (B/D/L/W)  
NORMAL

COOLING SYSTEM

Coolers  
  
ORIG

Fan  


Fan Drive 1  
  
THE FAN DRIVE IS DAMP

Hoses  


Radiator  
  
ORIG

Water Pump 1  
  
LEAK ON THE BACK OF THE WATER  
PUMP FROM HOSE OVER IT AND  
FROM EXPANSION TANK.

Leaks  
**YES**  
SEE ABOVE.

Notes - COOLING SYSTEM  
THE COOLING SYSTEM IS  
FUNCTIONING NORMAL BUT IT  
NEEDS SOME LEAKS REPAIRED.

ELECTRICAL, STARTING AND CHARGING SYSTEM

Alternator  


Batteries / Cables  


Lighting 1  
  
THE R.H. TOP FRONT CAB LIGHT  
BRACKET IS BENT WITH BROKEN OFF  
BOLTS. NO IMPACT TO TOP OF ROPS.

Starter  


Wiring  


Block Heater  
**YES**

Ether Aid  
**YES**

HYDRAULICS

Boom Cylinder  


Bucket Cylinder  


Control Linkage <sup>1</sup>  
  
TRAVEL HANDLES ARE MISSING. ADD  
\$350 IF NEW ARE INSTALLED.

Filter Condition (CUT)  
  
SAMPLED 836 HRS AGO WITH SAMPLE  
RETURNING NORMAL.

Hose Lines <sup>1</sup>  
  
THERE ARE THREE SMALL LINES IN  
THE PUMP COMPARTMENT LEAKING

Hydraulic Swivel  


Operating Condition -  
HYDRAULICS  


Pump Drive  


Pumps & Valves  


Stick Cylinder  


Swing Gear  
  
MINIMAL PLAY.

Swing Motors  
  
ORIGINAL.

Tank  


Travel Motors  
  
ORIGINAL BUT TRACKING STRAIGHT &  
SPOT TURNING ON DRY MATERIAL.

Notes - HYDRAULICS  
THE HYDRAULICS ARE STILL  
PERFORMING TO NORMAL  
LEVELS BUT THE COMPONENTS  
ARE ORIGINAL. NO  
GUARANTEES.

Swing Drive Oil Level  
NORMAL LEVELS AND OILS  
LOOK NORMAL.

BOOM

Boom Condition  


Boom Pins  


Pins & Bushings - BOOM  


Boom Length (Actual Length)  
24 FOOT 3 INCHES

Notes - BOOM  
THE BOOM MOUNT HAS MINOR  
SELLABLE PLAY.

STICK

Pins & Bushings - STICK  


Stick Conditions 1  
  
DENT ON THE BOTTOM END OF STICK.

Stick Pins  


Notes - STICK  
THE BOOM TO STICK PLAY IS  
MINIMAL.

Stick Length  
14 FOOT 1 INCH

BUCKET

Bucket Bottom   
  
BOTTOM LOOKS VERY GOOD.

Bucket Linkage  
  
THE LINKAGE IS TIGHT

Bucket Mounts  


Bucket Sides  


Cutting Edges   
  
BASE EDGE LOOKS VERY GOOD.

Quick Coupler  
YES

Brand  
EMPIRE ROUND CORNER SAND.

Notes - BUCKET  
THE BUCKET AND LINKAGES ARE  
IN GOOD FUNCTIONAL AND  
SELLABLE CONDITION.

Quick Coupler (Make/Model)  
CAT HYDRAULIC

Width  
48 INCHES.

UNDERCARRIAGE

|                          | Measurement (L) | % Worn (L) | Total Potential Hours (L) | Measurement (R) | % Worn (R) | Total Potential Hours (R) |
|--------------------------|-----------------|------------|---------------------------|-----------------|------------|---------------------------|
| Carrier<br>Rollers Front | 173.5MM         | 46         |                           | 174.5MM         | 41         |                           |

|                                  |              |     |          |     |
|----------------------------------|--------------|-----|----------|-----|
| Carrier<br>Rollers Rear          | 174MM        | 44  | 174.5MM  | 41  |
| Idlers Front                     | 21MM         | 14  | 21MM     | 14  |
| Links                            | 125.5MM      | 38  | 125.5MM  | 38  |
| Pins &<br>Bushings<br>(External) | 67MM         | 112 | 67MM     | 112 |
| Pins &<br>Bushings<br>(Internal) | 870MM        | 40  | 870MM    | 40  |
| Segments                         |              | 35  |          | 35  |
| Track Roller<br>9                | AVE 192.75MM | 35  | 192.75MM | 35  |
| Track Shoes<br>(Width)           | 32MM         | 11  | 32MM     | 11  |

Track Frame - Left  


Track Frame - Right  


Link Part Number  
305-9364

Links  
INSTALL NEW GERAL DUTY  
RAILS AND HARDWARE.

Notes - UNDERCARRIAGE  
THE TRACK BUSHINGS ARE  
WORN WITH SEALS PUSHING  
OUT BUT STRETCH REMAINS OK.  
APPEARS THE CUSTOMER  
REPLACED THE SPROCKETS AT  
SOME POINT.

Segments  
RUN SPROCKETS AS IS SINCE  
THEY ARE IN GOOD CONDITION.

Track Shoes  
36 INCH TRIPLE GROUSER  
SHOES.

FINAL DRIVES

Housings  


Planetaries / Diff  


Notes - FINAL DRIVES  
THE OILS ARE CURRENTLY LEVEL  
& OIL LOOKS NORMAL.

---

**COMMENTS, MISC. REPAIRS, GENERAL REMARKS**

**comment 1**

THE MACHINE IS BEING USED  
ALL THE TIME WITH ORIGINAL  
COMPONENTS. THE ENGINE IS  
SMOOTH WITH FAIR POWER.  
THE HYDRAULICS ARE  
PERFORMING NORMAL AS WELL  
SO THE MACHINE IS NEARING  
REBUILD BUT STILL  
OPERATIONAL & PERFORMING  
FOR NOW. THE LINKAGES ARE  
ALL

**comment 3**

TIGHT AND THERE IS MINIMAL  
LEAKAGE AROUND THE  
MACHINE. THE U/C HAS WEAR  
TO THE BUSHINGS BUT  
OVERALL THE CUSTOMER  
COULD USE IT ANOTHER  
SEASON AS THE BUSHINGS  
CRACK SINCE THE STRETCH IS  
STILL OK

**comment 2**

LEVEL 4PM WITH HYDRAULIC  
OIL CHANGE.

# MARKETING PHOTOS (8)





## LINE ITEM PHOTOS (35)

### Bumper



THE LOWER FRONT CAB  
BUMPER IS BENT MINOR  
OVERALL SO RECOMMEND  
SELLING AS IS.



---

### Crankcase Guard / Battery Box



THE CAB BELLY PAN IS BENT  
BADLY BUT THE REST LOOK  
GOOD.



---

### Grab Irons



THE L.H. FRONT GRAB IRON  
NEEDS TO BE REPLACED.



---

## Sheet Metal



THE SWIVEL GUARD IS BENT IN BADLY.



## Certification tag

**YES**

THE CERTIFICATION TAG IS IN PLACE.



---

ROPS

**YES**

THERE IS DAMAGE TO THE  
LOWER VANDALISM GUARD  
MOUNTING LUGS ON THE  
LOWER FRONT OF CAB. IT'S  
VERY MINOR SO LOOK AT  
PICTURES



---

Glass/Mirrors

● THE TOP FRONT GLASS IS  
CRACKED BADLY NEEDING  
REPLACEMENT.



---

### Meter



ACCURATE.



---

### Seat Cushion / Arm Rest



HAS A THIN COVER BUT LOOKS  
GOOD UNDERNEATH.



---

### Emissions Decal

**YES**

THE LABEL IS NOT READABLE  
SO INSTALL A NEW ONE.

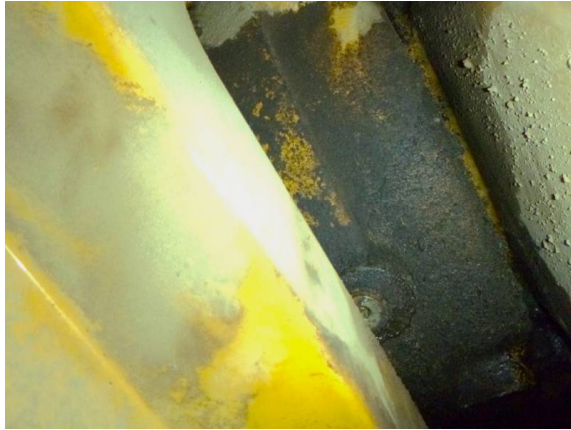


---

## Oil Leaks

**YES**

LEVEL 1 LEAK ON THE OIL PAN  
SO WASH OFF.



---

## Fan Drive



THE FAN DRIVE IS DAMP



---

### Water Pump

●  
LEAK ON THE BACK OF THE  
WATER PUMP FROM HOSE  
OVER IT AND FROM EXPANSION  
TANK.



---

### Lighting

●●  
THE R.H. TOP FRONT CAB LIGHT  
BRACKET IS BENT WITH  
BROKEN OFF BOLTS. NO  
IMPACT TO TOP OF ROPS.



---

### Control Linkage



TRAVEL HANDLES ARE MISSING.  
ADD \$350 IF NEW ARE  
INSTALLED.



---

### Hose Lines



THERE ARE THREE SMALL LINES  
IN THE PUMP COMPARTMENT  
LEAKING



---

### Stick Conditions



DENT ON THE BOTTOM END OF  
STICK.



---

## Bucket Bottom



BOTTOM LOOKS VERY GOOD.



---

## Cutting Edges



BASE EDGE LOOKS VERY GOOD.



---

## Notes - SAFETY ITEMS

THE R.H. LOWER OUTER SHEET METAL IS BOWED OUT A LITTLE BUT THERE IS NO SIGN OF ROPS RELATED IMPACT THAT CAUSED IT.



|                                                                                   | Measurement (L) | % Worn (L) | Total Potential Hours (L) | Measurement (R)                                                                    | % Worn (R) | Total Potential Hours (R) |
|-----------------------------------------------------------------------------------|-----------------|------------|---------------------------|------------------------------------------------------------------------------------|------------|---------------------------|
| Pins & Bushings (External)                                                        | 67MM            | 112        |                           | 67MM                                                                               | 112        |                           |
|  |                 |            |                           |  |            |                           |

|                                                                                    | Measurement (L) | % Worn (L) | Total Potential Hours (L) | Measurement (R)                                                                     | % Worn (R) | Total Potential Hours (R) |
|------------------------------------------------------------------------------------|-----------------|------------|---------------------------|-------------------------------------------------------------------------------------|------------|---------------------------|
| Pins & Bushings (Internal)                                                         | 870MM           | 40         |                           | 870MM                                                                               | 40         |                           |
|  |                 |            |                           |  |            |                           |

|                                                                                     | Measurement (L) | % Worn (L) | Total Potential Hours (L) | Measurement (R)                                                                      | % Worn (R) | Total Potential Hours (R) |
|-------------------------------------------------------------------------------------|-----------------|------------|---------------------------|--------------------------------------------------------------------------------------|------------|---------------------------|
| Segments                                                                            |                 | 35         |                           |                                                                                      | 35         |                           |
|  |                 |            |                           |  |            |                           |

|                | Measurement (L) | % Worn (L) | Total Potential Hours (L) | Measurement (R) | % Worn (R) | Total Potential Hours (R) |
|----------------|-----------------|------------|---------------------------|-----------------|------------|---------------------------|
| Track Roller 9 | AVE 192.75MM    | 35         |                           | 192.75MM        | 35         |                           |

