

2002 CATERPILLAR  
140HNA  
MOTOR GRADERS

INSPECTION DETAILS

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Serial #	2ZK
SMU / Hours	9,959



FEATURES

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- |                 |                     |               |
|-----------------|---------------------|---------------|
| • 14' MOLDBOARD | • AIR CONDITIONER   | • AM FM RADIO |
| • BEACON        | • DIFFERENTIAL LOCK | • EROPS       |
| • LIGHTING      | • MIRRORS           | • PUSHBLOCK   |
| • RIPPER        |                     |               |

## CONDITION

●●● Good

●● Fair

● Poor

Approved Repair

## GENERAL APPEARANCE

●● Cab or Canopy

●●● Engine Enclosures

●●● Front Frame Welds

●●● Hood

●● Paint  
Faded & some peeling on top.

●●● Radiator Grill

●●● Rear Frame Welds

●● Sheet Metal  
Bent front top cover behind  
push block.

## SAFETY ITEMS

●●● Back Up Alarm

●●● Beacon / Strobe

●●● Horn

●● Parking Brake - SAFETY ITEMS  
Works fine but has air leak at  
control.

● Seat Belt / Date  
No seatbelt.

YES ROPS

YES ROPS Certification Plate

YES Safety Decals In Place / Legible

## GAUGES, OPERATOR STATION, CONSOLE

●●● Air Conditioner - GAUGES,  
OPERATOR STATION, CONSOLE  
Cold.

●● Dash Console  
Will not latch & missing cover,  
damp with oil at base.

●● EMS Panel / Warnings

●● Gauges

●● Glass/Mirrors  
Front cab glass cracked three  
pieces.

●●● Heater

●●● Interior Lights

●● Meter Replaced / Working

●● Monitoring Panel / Display

●●● Seat Cushion / Arm Rest  
New seat.

●● Switches  
Diff lock switch broken but  
functional.

●●● Windshield Wipers

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## ENGINE

Anti-Freeze Color / Level R	Exhaust / Muffler / Stack New stack.	Operating Condition - ENGINE
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<b>NO</b> Blow By	<b>NO</b> Compression in Radiator	<b>NO</b> EPA Decal Legible
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<b>YES</b> Fluid Levels OK?	<b>NO</b> Knocking	<b>NO</b> Oil Leaks
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<b>NO</b> Water in Oil
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Notes - ENGINE 5000 hours on new engine ( as per customer ), runs good.	Oil Pressure (H/L/N) N	Smoke Color (B/D/L/W) L
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## COOLING SYSTEM

Belts / Pulleys - COOLING SYSTEM Wear.	Hoses	Radiator
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<b>NO</b> Leaks
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## ELECTRICAL, STARTING AND CHARGING SYSTEM

Alternator	Batteries / Cables	Starter
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Wiring	Work Lights
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<b>NO</b> Active Codes	<b>YES</b> Signal Lights
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## TRANSMISSION

Case - TRANSMISSION	Controls - TRANSMISSION	Operating Condition - TRANSMISSION
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Transmission - Forward Shifts	Transmission - Reverse Shifts
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<b>YES</b> Leaks - TRANSMISSION Right rear.	<b>NO</b> Transmission - Noisy
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## Notes - TRANSMISSION

Shifts ok all gears.

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### STEERING

- |                                 |                        |  |
|---------------------------------|------------------------|--|
| ●● Articulate P & B Slack.      | ●● King Pins           | ●● Steering Column / Tilt<br>Will not latch. |
| ●●● Steering Cylinder           | ●● Steering Frame      | ●● Steering Linkage                          |
| ●● Steering Operating Condition | ●● Tie Rods / Rod Ends | ●●● Wheel Lean Cylinder - STEERING           |

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### BRAKE

- |               |                               |                             |
|---------------|-------------------------------|-----------------------------|
| ●● Compressor | ●● Control Valve<br>Air leak. | ●●● Parking Brake Operation |
| ●●● Pedal     | ●●● Service Brake Operation   |                             |

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### DRIVECHAIN / TANDEMS

- |                       |                                   |                                   |
|-----------------------|-----------------------------------|-----------------------------------|
| ●●● Differential      | ●●● Differential Lock / Operation | ●●● Tandem Housing / Drive Chains |
| ●●● Wheel Lugs & Rims |                                   |                                   |

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### HYDRAULICS

- |                              |   |                                     |
|------------------------------|---|-------------------------------------|
| ●●● Circle Drive Box         | ●●● Circle Side Shift Cylinder          | ●● Cylinder Mounts / Pins<br>Slack. |
| ●●● Lift Cylinders           | ●●● Operating Condition -<br>HYDRAULICS | ●●● Side Shift Cylinder             |
| ●●● Tank / Sight Glass / Cap | ●●● Tip Cylinder                        |                                     |

## Notes - HYDRAULICS

Several seeps on some cyls & valve banks under cab.

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### BLADE

●● Circle A Frame

●● Circle Frame

●● Circle Shoes / Inserts

●● Cutting Edge

●● Cylinder Balls / Caps

●● Face / Moldboard

●● Ring Gear

Notes - BLADE  
14' blade.

## RIPPER

●● Cylinders

●● Lines / Fittings - RIPPER

●● Pins / Bushings

●● Shanks / Ripper (GET)

## TIRES

	Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section
Left Center	TITAN		40	NO	NO	NO
Left Front	MAXURO		20	NO	NO	NO
Left Rear	TITAN		20	NO	NO	NO
Right Center	TRIANGLE		50	NO	NO	NO
Right Front	TRIANGLE		20	NO	NO	NO
Right Rear	TITAN 2620		90	NO	NO	NO

**YES** Radial

Notes - TIRES  
Left front tire is nylon.

Tire Size - TIRES  
17.5R25

## COMMENTS, MISC. REPAIRS, GENERAL REMARKS

### comment 1

Faded paint & sheet metal ok, front top cover bent.

### comment 2

Operator station o k, cold a/c, air leak at parking brake control, column tilt will not lock & damp with oil at base, new seat, no seatbelt, front glass cracked three pieces all other systems operate o k.

### comment 3

Circle operation pins & plates- articulation & ripper pins @ 60% good. New engine was installed at about 5000 hours as per customer.

comment 4

Trans oil leak right rear.