

SPECIFICATIONS

1999 CATERPILLAR 163H

Customer Owned Certified

MOTOR GRADERS

Inspection Number:	Serial #:	5AK00222
Date Created:	Engine Serial #:	6NC16036
Last Updated:	Transmission Serial #:	4LY00524
Originated By:	SMU/Hrs:	17314
Inspector:	Last Scheduled Oil Sample:	N/A
Reviewer:	Last Cat Track System Inspection:	N/A
Salesman:	Last Preventative Maintenance:	N/A
Location:	Recommendation:	no recommendation
Asking Price:	Final Price:	N/A

Client

Name:	Address:
Client Id:	City:
Company:	State:
Telephone:	Country:
	Zip/Postal Code:

Description

ALL WHEEL DRIVE, HIGH PROFILE CAB ROPS, HEATER, A/C, LIGHTS, 2 DEFROSTER FANS, MIRRORS, AIR DRYER (AFTERMARKET), RADIO, STROBE, EITHER AID, ENGINE COOLANT HEATER, 14' MOLDBOARD, CIRCLE CLUTCH, VHP, 10 VALVE HYDRAULICS, BLADE & PLOW FLOATS, DIFFERENTIAL LOCK. NOTE: THE CUSTOMER HAS A BALDERSON MANUEL FRONT HITCH THAT HE DID NOT SPECIFY IF IT WOULD BE TRADED. HAS A CUSTOM SCARFIRE THAT ATTACHES TO IT. RECOMMEND WE VALUE IT SEPERATE SINCE THE CUSTOMER DID NOT SAY IF IT WOULD BE TRADED.

Features

■ EROPS	■ AIR CONDITIONER	■ CAB, HIGH PROFILE
■ SIDE SHIFT	■ TIP CONTROL	■ VARIABLE HORSEPOWER
■ DIFF LOCK/UNLOC	■ ALL WHEEL DRIVE	■ ENGINE ENCLOSURES
■ SLIPCLUTCH	■ LIGHTING	■ BLADE FLOAT
■ BEACON	■ AM FM RADIO	

Condition

GENERAL APPEARANCE

	Condition - Remarks	Parts	Labor	Approved?	Photos
Rear Frame	Fair - THE REAR MACHINE LOWER FRAME HAS BEEN WELDED & PLATED AS SEEN IN PICTURES. NO CRACKS WERE SEEN NOW.			<input type="checkbox"/>	
Steps / Ladder	Poor - ONE BELT NEEDS REPLACEMENT ON THE L.H. SIDE STEP.		250.00	<input type="checkbox"/>	

Notes	THE MACHINE HAS CUSTOM REAR MOUNT THAT SHOULD BE REMOVED. LITTLE RODANT SMELL IN CAB. OVERALL STRAIGHT. CLEAN COMPLETE.
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SAFETY ITEMS

	Condition - Remarks	Parts	Labor	Approved?	Photos
Safety Decals In Place	Yes			<input type="checkbox"/>	
Safety Decals Legible	Yes			<input type="checkbox"/>	
Rotating Beacon	Yes			<input type="checkbox"/>	
Signal Lights	Yes			<input type="checkbox"/>	
ROPS	Yes - 2 THREADED HOLES ON EACH REAR ROPS POLE. 1/4" WIDE.			<input type="checkbox"/>	

	Condition - Remarks	Parts	Labor	Approved?	Photos
Horn	Good			<input type="checkbox"/>	

GAUGES, OPERATOR STATION, CONSOLE

	Condition - Remarks	Parts	Labor	Approved?	Photos
Dash Console	Fair - STEER CONSOLE AIR CYL STARTING TO GET WEAK. THE TOP STEER CONSOLE DASH IS CRACKED. SELLABLE IN MY OPINION. MACH HAS 17,000 HRS AND IS 18 YEARS OLD.			<input type="checkbox"/>	
Gauges	Good			<input type="checkbox"/>	
Switches	Good			<input type="checkbox"/>	
Windshield Wipers	Fair			<input type="checkbox"/>	
Heater	Good			<input type="checkbox"/>	
Interior Lights	Good			<input type="checkbox"/>	
Seat Cushion / Arm Rest	Fair - SEAT CUSHION HAS CIG HOLES. OPTIONAL REPLACEMENT ADD \$650.			<input type="checkbox"/>	
Floor Boards	Fair			<input type="checkbox"/>	
EMS Panel / Warnings	Good			<input type="checkbox"/>	
Door Latches	Good			<input type="checkbox"/>	
Glass/Mirrors	Good			<input type="checkbox"/>	
Air Conditioner	Good - TO COLD TO BE TESTED.			<input type="checkbox"/>	

	Condition - Remarks	Parts	Labor	Approved?	Photos
Current O&MM	Yes			<input type="checkbox"/>	
Seat Belt	Yes - OUT DATED SO ADD \$350 IF REPLACED.			<input type="checkbox"/>	
Back Up Alarm	Yes			<input type="checkbox"/>	
ROPS Certification Plate	Yes - CERTIFICATION IS IN PLACE.			<input type="checkbox"/>	

ENGINE

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	Condition - Remarks	Parts	Labor	Approved?	Photos
Oil Leaks	No			<input type="checkbox"/>	
Blow By	Yes - NORMAL			<input type="checkbox"/>	
Knocking	No			<input type="checkbox"/>	
Compression in Radiator	No			<input type="checkbox"/>	
Water in Oil	No			<input type="checkbox"/>	
Fluid Levels OK?	Yes			<input type="checkbox"/>	

	Condition - Remarks	Parts	Labor	Approved?	Photos
Anti-Freeze Color	RADIATOR ACCESS IS PADLOCKED CANT CHECK.			<input type="checkbox"/>	
Oil Pressure (H/L/N)	NORMAL			<input type="checkbox"/>	
Smoke (B/D/L/W)	NORMAL			<input type="checkbox"/>	

	Condition - Remarks	Parts	Labor	Approved?	Photos
Operating Condition	Fair			<input type="checkbox"/>	
Turbocharger / Blower	Fair			<input type="checkbox"/>	
Fuel Injection System	Fair			<input type="checkbox"/>	
Governor	Good			<input type="checkbox"/>	
Engine Supports	Good			<input type="checkbox"/>	
Air Cleaners	Good			<input type="checkbox"/>	
Exhaust / Muffler	Fair - THE #1 EXHAUST STUD IS BROKEN BUT NOT LEAKING SO ADD \$1,600 IF REPAIRED.			<input type="checkbox"/>	
Belts / Pulleys	Good			<input type="checkbox"/>	
Notes	THE ENGINE IS ORIGINAL BUT STILL SMOOTH AND STRONG ENOUGH FOR THIS MACHINE. RUN AS IS OR ADD \$18,500 FOR A MINOR RECONDITION.				

————— COOLING SYSTEM —————

	Condition - Remarks	Parts	Labor	Approved?	Photos
Radiator	Good			<input type="checkbox"/>	
Coolers	Good			<input type="checkbox"/>	
Hoses	Good			<input type="checkbox"/>	
Water Pump	Good			<input type="checkbox"/>	
Fan	Good			<input type="checkbox"/>	
Fan Drive	Good			<input type="checkbox"/>	
Notes	RADIATOR ACCESS IS PADLOCKED SO CANT CHECK. ENGINE IS COOLING. COOLING SYSTEM LOOKS ORIGINAL.				

	Condition - Remarks	Parts	Labor	Approved?	Photos
Leaks	No			<input type="checkbox"/>	

————— ELECTRICAL, STARTING AND CHARGING SYSTEM —————

	Condition - Remarks	Parts	Labor	Approved?	Photos
Batteries / Cables	Good			<input type="checkbox"/>	
Starter	Good			<input type="checkbox"/>	
Alternator	Good			<input type="checkbox"/>	
Wiring	Good			<input type="checkbox"/>	
Lighting	Good			<input type="checkbox"/>	

	Condition - Remarks	Parts	Labor	Approved?	Photos
Ether Aid	Yes			<input type="checkbox"/>	
Block Heater	Yes			<input type="checkbox"/>	

TRANSMISSION

	Condition - Remarks	Parts	Labor	Approved?	Photos
Case	Good			<input type="checkbox"/>	
Controls	Good			<input type="checkbox"/>	
Seals	Poor - THE TRANSMISSION CONTROL VALVE IS LEAKING MODERATE TO BAD LEAVING A PUDDLE SO SHOULD BE RESEALED.		2,500.00	<input type="checkbox"/>	
Universal Joints	Fair - DIFFERENTIAL INPUT SEAL LEAKS BADLY.		800.00	<input type="checkbox"/>	
Lines / Fittings	Fair - SUMP TO DIFFERENTIAL CASE SEAL LEAKS BAD.		350.00	<input type="checkbox"/>	
Transmission - Reverse Shifts	Fair			<input type="checkbox"/>	
Pump	Fair			<input type="checkbox"/>	
Operating Condition	Fair			<input type="checkbox"/>	
Transmission - Forward Shifts	Fair			<input type="checkbox"/>	
Cooler	Fair			<input type="checkbox"/>	

	Condition - Remarks	Parts	Labor	Approved?	Photos
Transmission - Noisy	No			<input type="checkbox"/>	
Leaks	No			<input type="checkbox"/>	
Notes	TRANSMISSION WAS MOSTLY RECONDITIONED 11,386 HRS AGO SO HAS ALOT OF HRS ON IT. THE RECENT SAMPLING SHOWS ELEVATED PARTICAL COUNTS. IT SHIFTS FAIR SO IT WILL RUN FOR NOW BUT ON ITS LAST 2,000 HRS.				

	Condition - Remarks	Parts	Labor	Approved?	Photos
Transmission Type	OPTIONAL RECONDITION OF THE TRANSMISSION WITH DIFFERENTIAL ADD \$31,350 TO THE REPAIR TOTAL.			<input type="checkbox"/>	

STEERING

	Condition - Remarks	Parts	Labor	Approved?	Photos
Steering Linkage	Good			<input type="checkbox"/>	
Tie Rods / Rod Ends	Good			<input type="checkbox"/>	
Articulate P & B			1,800.00		

	Fair - STILL HAS SELLABLE PLAY IN ARTICULATION JOINT. THE R.H. ARTICULATION CYLINDER HAS OVER 1/2" PLAY IN HEAD END JOINT. THE L.H. LOOKS OK. REPAIR THE R.H. ONLY. MACHINE CYLINDER.			<input type="checkbox"/>	
Steering Valves / Pumps	Good			<input type="checkbox"/>	
Steering Cylinder	Good			<input type="checkbox"/>	
Oil Lines	Good			<input type="checkbox"/>	
King Pins	Good - NO PLAY SEEN. BEARINGS WERE REPLACED IN 2016.			<input type="checkbox"/>	
Wheel Lean Cylinder	Good			<input type="checkbox"/>	
Notes	THE MACHINE IS STEERING NORMAL WITH SELLABLE TIERODS, LINKAGES AND FRONT STEERING FRAME JOINTS.				

————— BRAKE —————

	Condition - Remarks	Parts	Labor	Approved?	Photos
Type (Pedal, Lever)	Good - PEDAL			<input type="checkbox"/>	
Type (Wet, Dry)	Good - WET			<input type="checkbox"/>	
Control Valve	Good			<input type="checkbox"/>	
Lines	Good			<input type="checkbox"/>	
Compressor	Good			<input type="checkbox"/>	
Brake Linkage	Good			<input type="checkbox"/>	
Parking Brake	Good			<input type="checkbox"/>	
Notes	ALL BRAKES ARE FUNCTIONING NORMAL SO CAN BE SOLD AS IS.				

	Condition - Remarks	Parts	Labor	Approved?	Photos
Leaks	No			<input type="checkbox"/>	

————— TANDEM —————

	Condition - Remarks	Parts	Labor	Approved?	Photos
Tandems	Poor - THE R.H. TANDEM SEAL IS LEAKING BADLY SO RESEAL. L.H. LOOKS GOOD.		3,000.00	<input type="checkbox"/>	
Wheel Lugs & Rims	Good			<input type="checkbox"/>	
Differential	Fair - ORIGINAL.			<input type="checkbox"/>	
Differential Lock	Good - FUNCTIONAL.			<input type="checkbox"/>	

————— HYDRAULICS —————

	Condition - Remarks	Parts	Labor	Approved?	Photos
Overall Operating Condition	Fair			<input type="checkbox"/>	
Tank	Good			<input type="checkbox"/>	
Pumps & Valves	Poor - THE L.H. CONTROL VALVE IS LEAKING BADLY SO WILL NEED RESEAL TO BE SOLD IN MY OPINION.		1,800.00	<input type="checkbox"/>	
Hose Lines	Good			<input type="checkbox"/>	
Linkage	Fair - AWDD CONTROL HANDLE KNOB IS GONE.		50.00	<input type="checkbox"/>	

Side Shift Cylinder	Good			<input type="checkbox"/>	
Lift Cylinders	Good - THE R.H. LIFT CYLINDER IS WEEPING BUT NO PUDDLE. THE LIFT CYLINDER YOKES WERE REPLACED WITH NEW BEARINGS IN 2-08.			<input type="checkbox"/>	
Tip Cylinder	Good			<input type="checkbox"/>	
Turn Drive Box	Good - PINION IS GUARDED. CIRCLE MOTOR REPLACED IN 2012. THE CIRCLE DRIVE WAS RECONDITIONED BY CUSTOMER IN 2014.			<input type="checkbox"/>	
Circle Side Shift Cylinder	Good			<input type="checkbox"/>	
Notes	THE HYDRAULIC PUMP IS ORIGINAL BUT THE HYDRAULICS ARE FUNCTIONING TO NORMAL LEVELS. THE L.H. CONTROL VALVE WILL NEED RESEAL AND THE ALL WHEEL DRIVE IS DESCRIBED AT THE BOTTOM OF THE REPORT.				

———— **BLADE** ————

	Condition - Remarks	Parts	Labor	Approved?	Photos
Blade Size	14'			<input type="checkbox"/>	

	Make / Serial#	Tread Depth in 1/32"	% Life Remaining	Recapped	Tread Cuts/Chunks	Side Cuts Section	Photos
Right Front	GOODYEAR RECAP						
Right Rear Center	TITAN						
Right Rear	TITAN						
Left Front	GOODYEAR RECAP						
Left Rear Center	TITAN						
Left Rear	TITAN						
Tire Size	17.5R25 TITAN MXL REARS AND RECAPS FRONT.						
Notes	THE FRONT TIRES RE POOR SO RECOMMEND REPLACEMENT WITH SELLABLE USED ONES.						

COMMENTS, MISC. REPAIRS, GENERAL REMARKS

	Parts	Labor	Approved?	Photos
THE MACHINE HAS ORIGINAL ENGINE THAT IS MEETING DEMAND AND RUNNING SMOOTH SO CAN BE SOLD AS IS FOR NOW (RECOND OPTIONAL). THE TRANSMISSION IS SHIFTING FAIR WITH 11,386 HRS ON IT AND SHOWING ELEVATED PARTICAL COUNTS FOR SOME TIME SO WILL BE NEEDING			<input type="checkbox"/>	
A RECOND SOON BUT CAN RUN FOR NOW. THE CIRCLE WILL NEED DESCRIBED REPAIRS ALONG WITH ONE ARTICULATION CYLINDER THAT HAS A WORN OUT JOINT. ONE CONTROL VALVE WILL NEED RESEAL ALONG WITH ONE TANDEM. THE REAR FRAME HAS BEEN WELDED & PATCHED AS SEEN IN			<input type="checkbox"/>	
THE PICTURES. THE ALL WHEEL DRIVE IS FUNCTIONAL WITH ORIG MOTORS & 6,486 ON THE PUMP. OVERALL THE MACHINE NEEDS SOME WORK BUT THE CUSTOMER IS STILL USING IT.			<input type="checkbox"/>	
CLEAN & SERVICE A LEVEL 4PM.		3,850.00	<input type="checkbox"/>	
REMAN AWD PUMP INSTALLED AND COMPLETE SYSTEM FLUSH 9-09 6,486 HRS AGO. THE AWD IS FUNCTIONAL, OIL WAS CLEAN AND BOTH WHEELS WERE PULLING. THAT IS ALL THAT COULD BE DETERMINED.			<input type="checkbox"/>	