

Location: Boom and Bucket
Tucson, AZ

Truck and Equipment Consulting, LLC – MOTORGRADER CHECKLIST

Date (Y/M/D) 8/22/2024
 Inspector Initials J.B.

(Basic Information)	
(Manufacturer)	Caterpillar
(Model Number)	140H VHP Plus
(Serial Number)	CAT0140HJCCA01635
(Year of Manufacturing)	2005
(Hour Meter Reading)	15,161.9 Hrs
(Transmission)	Powershift 8 FWRD + 6 REVERSE
(Engine Model/ SN #)	CAT 3176 10.3L 165/185HP T.Diesel
(Country of Origin)	Brazil

Specification and Dimensions	
Serial Plate/ Frame Inscription	CAT0140HJCCA01635
Cabin • Canopy (Circle)	Cabin w/A/C + Heat
EPA Certificate / Permits Posted	EROPS / FOPS
Eng Oil/Hydraulic/Coolant Capacities	Eng Oil 10.2 gal/Hydraulic 20.8 gal/Coolant 10 gal
Blade Base	8.4 FT
Moldboard (width x height)	14 Ft x 2 Ft
Hydraulic Relief	3500 psi
Scarifer / Ripper	Yes Rear Mount 6 Shank + 3 Shank
Tires	PowerKing 17.5 – 25
Other	Topcon GPS installed, Front Push Block, CAT Panasonic Am/Fm Cassette, 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 push block, front crossmembers No cracks No damage
	(General Appearance-Rear)	X					Good appearance ripper carriage, slots 6+3 shanks Good condition
	(General Appearance-Right)	X					Good appearance right frame rails, panels and gaps No damage no issues
	(General Appearance-Left)	X					Good appearance left frame rails, panels and gaps No damage no issues
	(General Appearance-Upper)	X					Good appearance Cab Roof, ROPS, Upper panels No damage No issues'
	(Major / Minor Surface Rust)	X					No rust seen
	(Body Panel Rust Damage / Cancer)	X					No panel damage No rust or cancer seen
	(Visible Weld Repairs / Stress Cracks)	X					No Weld or Patch Repairs Seen
	(Glass Condition)	X					Glass Good condition No cracks or damage
(Chassis / Undercarriage Damage)	X					Underside panels + gaps Good appearance No damage	
OPERATOR'S COCKPIT	(Operator Cabin)		X				Floor cover worn through+damaged, Seat back damaged Shows Wear+tear
	(Operator Controls and Switches)	X	X				Above Average a couple switch covers missing All levers+boots look good
	(Hour Meter Activity)						Unable to confirm
	(Other Gauge Activity)	X					Working
	(Door / Canopy Latches)	X					Good Latches + Good function + condition
	(Safety – Horn / First Aid Kit)	X					Working
	(Operator Seat Condition)		X	X			Seat back torn + damaged
(Safety – Seat Belts / Fire Extinguisher)	X					Yes	
ENGINE	(Oil Color / Fluid Appearance / Particulates or Granuales)	X	X				Good Oil + Coolant Fluid Appearance No signs of cross contamination
	(Noise Upon Startup / Noise Upon Idle / Noise Upon Shut Down)	X					Easy start up, Smooth Idle, No unusual noises
	(Engine Exhaust Color – White / Blue / Black / Clear)	X					Clear and stays clear at operating temp
	(Oil Leaks)	X					No Engine oil leaks seen
	(Engine Smoke Upon Startup / Upon Idle / Upon Shut Down)	X					No smoke issues
	(Coolant Color / Fluid Appearance)	X					Good color and appearance
	(Water Pump Noises / Damp Hoses / Coolant Leaks)	X					No coolant leaks seen No unusual noises or squeaking
	(Coolant Leaks from Radiator)	X					None seen
(Overall Engine Appearance Clean / Wet / Dry / Other)	X					Dusty but dry Good appearance No rust No dried seepages seen	
HYDRAULICS OVERALL	(Overall appearance of Hydraulic lines/fittings – worn/cracked)	X	X				Some repaint overspray on hydraulic hoses, lines and fittings
	(Hydraulic Pump Sounds / Noises)						Unable to confirm
	(Wet or Damp hydraulic lines and fittings / fluid leaks)						No fluid in system Unable to confirm
	(External Controls / Levers Condition)	X					Unable to confirm lever performance
	(Hydraulics Service Records / Maintenance History)	X					Filters Marked 15,128 h @ 6/2024, 14,055 h @ 5/18/2023

ELECTRICAL	(Lighting System Condition)			X				Lights Working	
	(Reverse Alarm / Backup Signal)							Unable to confirm	
	(Battery Condition)			X				Both batteries and compartments Good appearance	
	(Other Electric Device Condition)			X				Good Display Good Working Order	
B R A K E S	(Foot Brake)							Unable to confirm	
	(Inching Brake Functional & Working Condition)							Unable to confirm	
	(Parking Brake)							Unable to confirm	
	(Other Remarks)								
TRANSMISSION	(Clutch Noise / Function)							Unable to confirm	
	(Transmission Noise / Function)							Unable to confirm	
	(Shift Lever Condition & Function)			X				Good Shifter appearance	
	(Other Remarks)								
HYDRAULICS CYLINDERS	(Blade Lift)	(Oil Leak from Cylinder)		X				Hydraulic pistons and cylinder Clean No pitting No discoloration	
		(Mounting Pin Condition)		X				Good appearance of pins No dried seepage No damage seen	
	(Scarifier Lift)	(Oil Leak from Cylinder)		X				Hydraulic pistons and cylinder Clean No pitting No discoloration	
		(Mounting Pin Condition)		X				Good appearance of pins No dried seepage No damage seen	
	(Blade Side)	(Oil Leak from Cylinder)		X				Hydraulic pistons and cylinder Clean No pitting No discoloration	
		(Mounting Pin Condition)		X				Good appearance of pins No dried seepage No damage seen	
CIRCLE GEAR	(Articulate Cylinder)	(Oil Leak from Cylinder)		X				Hydraulic pistons and cylinder Clean No pitting No discoloration	
		(Mounting Pin Condition)		X				Good appearance of pins No dried seepage No damage seen	
	(Leaning Cylinder)	(Oil Leak from Cylinder)		X				Hydraulic pistons and cylinder Clean No pitting No discoloration	
		(Mounting Pin Condition)		X				Good appearance of pins No dried seepage No damage seen	
	(Circle Center Shift)	(Oil Leak from Cylinder)		X				Hydraulic pistons and cylinder Clean No pitting No discoloration	
		(Mounting Pin Condition)		X				Good appearance of pins No dried seepage No damage seen	
(Other)	(Other Remarks)		X	X			Overall Good couple small areas of dried seepage, some hazing on rams		
TIRES AND HUBS	Undercarriage Appearance			X				No chassis or frame damage seen No accident damage seen	
	Center Pins			X				Good Appearance	
	Wheels / Tires	FRONT	RIGHT	X				Tires = B Good / Hubs =B	use (A)90% to (E) 20%
			LEFT	X				Tires = B Good / Hubs =B	
		REAR	RIGHT X 2	X				Tires = B Good / Hubs =B	
			LEFT X 2	X				Tires = B Good / Hubs =B	
Other Comments			X				Good tires No splits or sidewall damage Inner hubs dry No dings no dents		
B L A D E / SCARIFER	(Blade Edge)			X				Good Appearance of Blade + Edge	
	(Cutting Angle)							Unable to confirm	
	(Circle Gear Connection)			X				Good appearance Circle Gear teeth, inner rollers and pins	
	(Scarifer)			X				Good appearance of slots, shanks, and frame assembly	

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

DIMENSIONS:
Length: 28.6 Ft
Width: 8.1 Ft
Height: 10.3 Ft
Weight: 32,357 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