

Inspection Report (Scraper)

General Info

B&B Stock Number	A1426606
Year	1980
Make	CAT
Model	623B
Serial Number	46P1583
Hour Meter Reading	15,236 Hrs. (Exact hours may vary)
Previous Application (e.g., earth moving, mining, demolition, etc)	General Construction



Features and Configuration

Engine Configuration	Single-Engine
Bowl Configuration	Elevating
Heat	No
A/C	No
Radio	No
Backup Camera	No
Telematics	No
OMM (Operator & Maintenance Manual)	No

Exterior 360 Walkaround

360 Walkaround & Operating Video


Walkaround Photos & Operating Video

Exterior Walkaround Photos	
	
Operating Video	Click to Download














General Appearance Inspection Points

General Appearance

General Appearance Photos

Close-up Exterior Photos	
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Inspection Report (Scraper)

					
					
					
				Scuff marks and dents are present on both sides of the scraper can.	

General Appearance Inspection Points

Inspection Rating Criteria	Rating Scale	Explanation
	1 - Service Required	Requires immediate repairs to function as expected.
	2 - Above Average Wear & Tear	Exhibits greater wear than expected given age and usage. While operable, further diagnosis may be needed.
	3 - Normal Wear & Tear	Exhibits wear that is consistent with age and usage. Operation is normal, and as expected.
	4 - Very Light or Minimal Wear	Exhibits very minimal wear. Operation is better than expected given age and usage.
	5 - Like New, Recently Replaced	Excellent condition, free of visible wear or damage. Operation is within factory specifications.
Body Panels	3 - Normal Wear & Tear	
Body Panel Condition	Visible chipped paint or dents, Large dents or cracks, Areas of surface rust observed, Other (see comments)	
Comments	Normal wear and tear scuff marks exist throughout the machines exterior. Dents were noticeable on and around scraper can.	
Doors / Canopy Latches	3 - Normal Wear & Tear	
Doors / Canopy Latches Condition	No visible damage	
Steps / Ladders	3 - Normal Wear & Tear	
Steps / Ladders Condition	Steps/ladders are fully intact and appear structurally sound	
Handrails	3 - Normal Wear & Tear	
Handrails Condition	Handrails are fully intact and appear structurally sound	
Glass	0	
Mirrors	3 - Normal Wear & Tear	
Mirror Condition	Mirrors present and intact, no visible damage	
Exterior Lights	3 - Normal Wear & Tear	




Inspection Report (Scraper)

Exterior Lights Condition	No visible damage, lighting system is operational
Overall Exterior	3 - Normal Wear & Tear
Comments	The machines exterior is in good shape considering its age and usage. Minor dents, scuff marks and some of the handrails are slightly bent.

Control Station Inspection Points

Control Station

Control Station Photos

Control Station Photos																			
Serial Number Plate	 <table border="1" data-bbox="550 1164 1093 1489"> <thead> <tr> <th colspan="3">GIVE ALL NUMBERS IN ALL COMMUNICATIONS</th> </tr> <tr> <th>MODEL NUMBER</th> <th>SERIAL NUMBER</th> <th>ARRANGEMENT NUMBER</th> </tr> </thead> <tbody> <tr> <td>VEHICLE</td> <td>46P1583</td> <td></td> </tr> <tr> <td>ENGINE</td> <td>70V10142</td> <td></td> </tr> <tr> <td>TRANS. MISSION</td> <td>405</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>AV1721 2</td> </tr> </tbody> </table>	GIVE ALL NUMBERS IN ALL COMMUNICATIONS			MODEL NUMBER	SERIAL NUMBER	ARRANGEMENT NUMBER	VEHICLE	46P1583		ENGINE	70V10142		TRANS. MISSION	405				AV1721 2
GIVE ALL NUMBERS IN ALL COMMUNICATIONS																			
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VEHICLE	46P1583																		
ENGINE	70V10142																		
TRANS. MISSION	405																		
		AV1721 2																	
Hour Meter/Odometer																			
Control Station Type	Open Cab (OROPS)																		
Option List	Linkage																		

Inspection Report (Scraper)

Seat	3 - Normal Wear & Tear
Seat Condition	Seat(s) in good condition, no stains or tears in upholstery
Cabin Lights	0
Safety Lock Out / Stop	3 - Normal Wear & Tear
Safety Lock Out / Stop Condition	Safety lock out device is present, in good condition, and functional
Controls & Switches	3 - Normal Wear & Tear
Controls & Switches Condition	Other (see comments)
Comments	Most switches were operating correctly.
Hour Meter Activity	3 - Normal Wear & Tear
Hour Meter Condition	Hour meter is functional and in good condition
Other Gauge Activity	3 - Normal Wear & Tear
Other Gauge Condition	Gauges are functional, with some wear and/or cosmetic damage
Heater & A/C	0
Travel Alarm	2 - Above Average Wear & Tear
Travel Alarm Condition	System is configured but not operating correctly
Horn	0
Backup Camera	0
Control Station Overall Rating	3 - Normal Wear & Tear
Control Station Overall Condition	Good cabin appearance, solid floors, panels, and ceiling, Minor cosmetic wear to cabin surfaces, floors, panels, and ceiling
Comments	The operator station is in descent shape with normal wear seen throughout the floor and operator control panels.

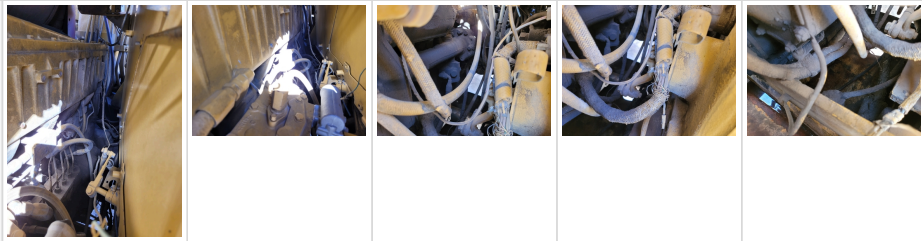



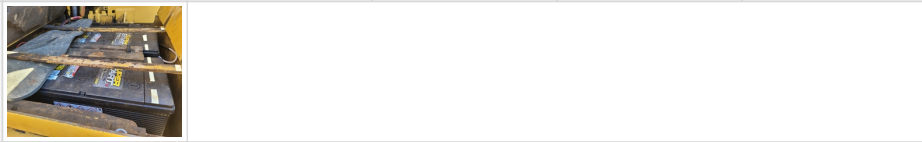
Engine Inspection Points

Engine

Engine Compartment Photos

Engine Data Plate	
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Inspection Report (Scraper)

Engine Compartment Photos	
	
	
	
	
Engine Type (Make, Model, Cylinders, Hp)	CAT - 3406PC - 6Cyl.
Emissions Tier	Tier 0
Engine Serial Number	70V10142
Engine Fuel Type	Diesel
Blow-by (Visual Observation Check)	Yes
Comments	Minor blowby seen
Unusual Noises (Upon Start-up, Idle, Shutdown)	No
Engine Smoke (Upon Start-up, Idle, Shutdown)	Yes
Engine Smoke Notes	Engine smoke observed upon start up, Continuous engine smoke observed during operation
Engine Exhaust Color	Black
Battery	3 - Normal Wear & Tear
Battery Condition	Clean & dry appearance, tight connections
Radiator	3 - Normal Wear & Tear


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Radiator Condition	Radiator fins & components appear to be in good working order, no signs of damage or leaks
Belts	3 - Normal Wear & Tear
Belt Condition	Frayed belt edges observed, Belts appear in good condition & alignment with proper tension
Hoses	3 - Normal Wear & Tear
Hose Condition	Cracking, stiff, or charred hoses, Dried seepages observed, Other (see comments)
Comments	Most engine hoses are in descent shape.
Water Pump	3 - Normal Wear & Tear
Water Pump Condition	No unusual pump noises heard
Cooling System Leaks	No
Coolant Appearance	3 - Normal Wear & Tear
Coolant Appearance Notes	Normal Translucent appearance, no visual signs of contamination
Oil Leaks	Yes
Oil Leak Notes	Dried oil seepages seen, Other (see comments)
Comments	Residual oil buildup is present at and around the engine. No major active leaks were observed.
Oil Appearance	3 - Normal Wear & Tear
Oil Appearance Notes	Appropriate oil level, Clean oil appearance, no signs of cross contamination
Fuel Leaks	No
Equipped with DPF (Diesel Particulate Filter)	No
Requires DEF (Diesel Exhaust Fluid)	No
Overall Engine Rating	3 - Normal Wear & Tear
Overall Engine Appearance	Very dirty, Areas of dried seepage seen on engine hoses & components
Overall Engine Comments	The engine did not hesitate to fire up and it sounded normal during the inspection. Multiple areas on the engine have residual oil buildup. Further inspection to determine if and where the leaks may be coming from is recommended.




Drivetrain Inspection Points

Drivetrain









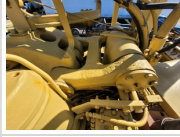












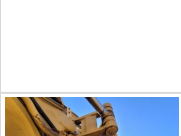

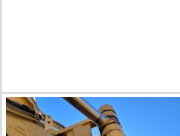
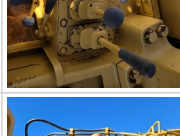





Drivetrain Inspection Points

Drivetrain Photos	
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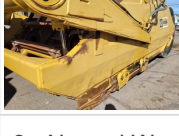
Inspection Report (Scraper)

	  
Hydrostatic Transmission?	No
Transmission Info (Make/Model/Speeds)	8 Speed with a max speed of 30 MPH
Drive Type	2WD
Transmission Components	3 - Normal Wear & Tear
Transmission Condition	Good forward and reverse function, No unusual noises or vibrations, Leaking transmission fluid observed, Other (see comments)
Comments	The transmission was tested in short distances in slow speeds and in low gear.
Parking Brake	3 - Normal Wear & Tear
Parking Brake Function	Good brake function
Overall Drivetrain Rating	3 - Normal Wear & Tear
Overall Drivetrain Comments	The machine traveled well in both directions and was only tested in short distances. The transmission components have residual oil buildup and should be further inspected to determine if an active leak may exist.
















Chassis Inspection Points

Chassis Photos	    
	    
	    
	    
	    
	    


























Inspection Report (Scraper)

					
					
					
					
					
Frame	3 - Normal Wear & Tear				
Stance	3 - Normal Wear & Tear				
Front Axle Appearance	3 - Normal Wear & Tear				
Rear Axle Appearance	3 - Normal Wear & Tear				
Belly Pans	3 - Normal Wear & Tear				
Overall Chassis	3 - Normal Wear & Tear				
Overall Chassis Comments	Some small cracks are present at the draft arms and other minor cracks exist at the draft tube. Weld repairs were performed throughout the frame.				

Bowl Inspection Points

Scraper Bowl Photos					
					
					
					

Inspection Report (Scraper)

	    
	    
	    
	    
	    
Bowl Capacity (yd3)	N/A
Hitch	3 - Normal Wear & Tear
Steering Linkage	3 - Normal Wear & Tear
Draft Arm	3 - Normal Wear & Tear
Comments	Minor cracks exist
Draft Arm Trunnions	3 - Normal Wear & Tear
Comments	Draft arms to trunnion connections have some excess play.
Bowl	3 - Normal Wear & Tear
Floor Rollers	3 - Normal Wear & Tear
Ejector Face & Rollers	3 - Normal Wear & Tear
Cutting Edges & Side Cutters	3 - Normal Wear & Tear
Apron	0
Apron Lift Arm & Trunnions	0
Elevator Frame & Linkages	3 - Normal Wear & Tear
Elevator Chains (Flights, Rollers, Idlers)	3 - Normal Wear & Tear
Elevator Drive Sprockets	3 - Normal Wear & Tear
Scraper Bowl & Hitch Overall	3 - Normal Wear & Tear




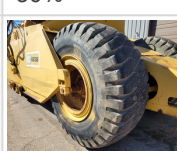
Inspection Report (Scraper)

Scraper Bowl & Hitch Overall Comments	The Scraper Bowl assembly was functioning properly and has normal wear and tear considering its age and usage.
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Wheels & Tires Inspection Points

Wheels & Tires

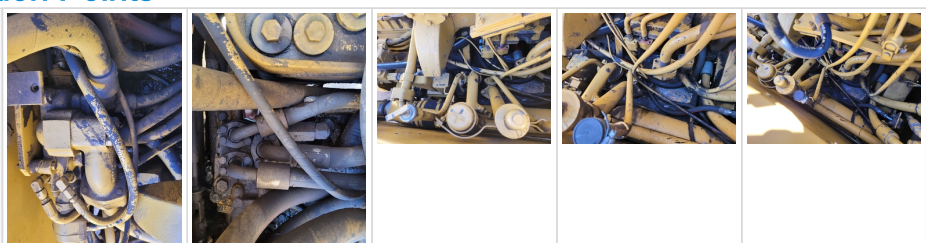
Wheels & Tires Inspection Points

Wheels & Hubs	3 - Normal Wear & Tear	
Wheel Seal Leaks	No	
Tire Brand	Multiple Brands	
Tire Size	29.5-35	
Front Left Tire - Ratio Remaining	50%	
Front Left Tire Photos		
Front Right Tire - Ratio Remaining	50%	
Front Right Tire Photos		
Rear Right Tire - Ratio Remaining	30%	
Rear Right Tire Photos		
Rear Left Tire - Ratio Remaining	30%	
Rear Left Tire Photos		









Hydraulics Overall Inspection Points

Hydraulics Overall





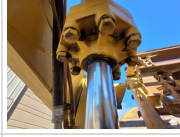






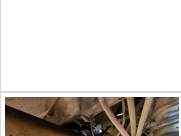
Hydraulic System Inspection Points

Hydraulic System Photos					
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Inspection Report (Scraper)

	    
	  
Wet or Damp Hydraulic Lines / Fittings	Yes
Hydraulic Lines/Fittings	3 - Normal Wear & Tear
Hydraulic Lines / Fittings Condition	Twisted, kinked, or flattened hydraulic hoses, Cracking, stiff, or charred hydraulic hoses, Worn, cut, or damaged hose covering, Dried seepages observed, Other (see comments)
Comments	Some hydraulic tubes are worn and have weld repairs.
Hydraulic Pump(s)	3 - Normal Wear & Tear
Unusual Noises	No
Hydraulic Pump Notes	No unusual noises heard during operation

Hydraulic Cylinder Inspection Points

Hydraulic Cylinder Photos	    
	    
	 
Mounting Pins	3 - Normal Wear & Tear
Cylinder Oil Leaks	Yes
Comments	Some cylinders have residual oil buildup at the rod seals.
Hydraulic System Overall	3 - Normal Wear & Tear
Comments	The hydraulic system was operating normal with no obvious signs of issues. Some leaks may exist and should be further evaluated for accuracy.

Functional Test

Functionality Assessment

Functionality Assessment

Inspection Report (Scraper)

Engine	3 - Normal Wear & Tear
Transmission/Drivetrain	3 - Normal Wear & Tear
Travel (Forward/Reverse/Steering)	3 - Normal Wear & Tear
Brakes	3 - Normal Wear & Tear
Hydraulic System	3 - Normal Wear & Tear
Electric Operating System	3 - Normal Wear & Tear
Controls	3 - Normal Wear & Tear
Safety Systems	0
Core Functions	3 - Normal Wear & Tear
Attachments	0
Overall Functional Test Comments	The machine fired right up and traveled in both directions with no obvious issues. The hydraulic functions from the steering to the rear scraper can were operating well.

Overall Assessment

Overall Assessment

Inspection Rating Criteria	Rating Scale	Explanation
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	2 - Above Average Wear & Tear	Exhibits greater wear than expected given age and usage. While operable, further diagnosis may be needed.
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	4 - Very Light or Minimal Wear	Exhibits very minimal wear. Operation is better than expected given age and usage.
	5 - Like New, Recently Replaced	Excellent condition, free of visible wear or damage. Operation is within factory specifications.
Exterior Rating	3 - Normal Wear & Tear	
Interior Rating	3 - Normal Wear & Tear	
Safety Rating	3 - Normal Wear & Tear	
Quality Rating	3 - Normal Wear & Tear	
Functionality Rating	3 - Normal Wear & Tear	
Overall Rating	3 - Normal Wear & Tear	
What's Great About the Machine	The machine has a well maintained appearance and should be ready to go straight to work. The front tires have plenty of life left and the Scraper Can Assembly was functioning well.	
What Needs Work	Multiple signs of possible leaks seen (Residual dried up oil buildup) at the engine, transmission, hydraulic pumps/hoses and some hyd. cylinders. Some cracks were observed at the draft arms, draft tube and at/around scraper frame. Minor excess play exist at trunnions.	
Date/Time	02-08-2024	
Inspector Name	Mario Ramirez	