

Inspection Report (Directional Drill)

General Info

B&B Stock Number	A7077008
Year	2012
Make	Vermeer
Model	PD-10
Serial Number	1VRB100Z5D1000130
Hour Meter Reading	2,286 Hrs.
Previous Application (e.g., earth moving, mining, demolition, etc)	Renewable Energy General Construction











Features and Configuration

Travel System	Track Undercarriage
Outriggers	No
Mud Cleaning System	No
Remote Monitoring	No
Automated Rod Handling System	No
Drill Stem Storage Rack	No
GPS Tracking System	No
# Drill Bits	N/A
Drill Bit Sizes	N/A
Additional Attachment(s)?	No
Telematics	No
OMM (Operator & Maintenance Manual)	No

Exterior 360 Walkaround

Exterior 360 Walkaround

Walkaround Photos & Operating Video

Exterior Walkaround Photos	    
	    
Operating Video	Click to Download
Additional Video	Click to Download

General Appearance Inspection Points

Inspection Report (Directional Drill)

General Appearance

General Appearance Photos



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	No visible damage, good paint condition and panel fitment	
Doors / Canopy Latches	3 - Normal Wear & Tear	
Doors / Canopy Latches Condition	No visible damage	
Steps / Ladders	0	
Handrails	0	
Glass	0	
Mirrors	3 - Normal Wear & Tear	
Mirror Condition	Mirrors present and intact, no visible damage	
Exterior Lights	3 - Normal Wear & Tear	
Exterior Lights Condition	No visible damage, lighting system is operational	
Overall Exterior	3 - Normal Wear & Tear	
Comments	Overall, the exterior is in good condition for its age. Normal wear and tear scuff marks present throughout machine.	

Control Station Inspection Points

Control Station

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Control Station Photos

Control Station Photos	
Serial Number Plate	
Hour Meter/Odometer	
Seat	2 - Above Average Wear & Tear
Seat Condition	Seat(s) has major surface staining or tears, Seat(s) is damaged due to sun exposure; fading, cracking observed
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	All switches are installed and functional
Hour Meter Activity	3 - Normal Wear & Tear
Hour Meter Condition	Hour meter is functional, with some minor wear and/or cosmetic damage
Other Gauge Activity	3 - Normal Wear & Tear
Other Gauge Condition	Gauges are functional, with some wear and/or cosmetic damage
Heater & A/C	0







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Travel Alarm	2 - Above Average Wear & Tear
Travel Alarm Condition	System is configured but not operating correctly
Horn	3 - Normal Wear & Tear
Horn Condition	Horn is installed and functioning as expected
Backup Camera	0
Control Station Overall Rating	3 - Normal Wear & Tear
Control Station Overall Condition	Minor cosmetic wear to cabin surfaces, floors, panels, and ceiling
Comments	Operator Station in descent condition for its age. Operator seat should be replaced.
Platform Safety Rails & Appearance	0
Platform Floor	3 - Normal Wear & Tear
Platform Controls	0

Powertrain Inspection Points

Engine

Engine Compartment Photos

Engine Data Plate					
Engine Compartment Photos	    				
Engine Type (Make, Model, Cylinders, Hp)	Yanmar - TNV88 - 4Cyl. - 2.2L - 47HP				
Emissions Tier	Tier 4i				
Engine Serial Number	11464				
Engine Fuel Type	Diesel				
Blow-by (Visual Observation Check)	No				
Unusual Noises (Upon Start-up, Idle, Shutdown)	No				

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Engine Smoke (Upon Start-up, Idle, Shutdown)	No
Engine Exhaust Color	Clear
Battery	2 - Above Average Wear & Tear
Battery Condition	Needs charge or replacement, Other (see comments), Dusty & dirty appearance
Comments	Battery needed a jump start prior to inspection.
Radiator	3 - Normal Wear & Tear
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	Belts appear in good condition & alignment with proper tension
Hoses	3 - Normal Wear & Tear
Hose Condition	Firm, pliant hoses with no signs of wear or leaks
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	No
Oil Appearance	3 - Normal Wear & Tear
Oil Appearance Notes	Appropriate oil level, Clean oil appearance, no signs of cross contamination, Other (see comments)
Comments	Engine service recommended
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	Dusty & dry
Overall Engine Comments	The engine fired right up and ran fine at idle. Engine sounded strong under load. RPM Governor intermittently sticking at high idle.

Drivetrain Inspection Points





















Drivetrain

Drivetrain Inspection Points

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Drivetrain Photos	    
Hydrostatic Transmission?	Yes
2 Speed?	No
Hydrostatic Drive Configuration	Split Transmission
Drive	2WD
Transmission Components	3 - Normal Wear & Tear
Transmission Condition	Good forward and reverse function, No unusual noises or vibrations, Other (see comments)
Comments	Residual oil buildup seen at both drive motors.
Drive Motors	3 - Normal Wear & Tear
Parking Brake	3 - Normal Wear & Tear
Parking Brake Function	Good brake function
Overall Drivetrain Rating	3 - Normal Wear & Tear
Overall Drivetrain Comments	Machine travels well in all directions with no issues observed during the inspection.

Chassis Photos

Chassis Photos	    
	    
	    
	I recommend further examination of marked area for possible cracks.
	    

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Chassis Inspection Points

Frame	3 - Normal Wear & Tear
Outrigger Frame(s)	0
Bottom Covers	0
Drill Stem	0
Drill Pipe	0
Drill Bit	0
Borehole	0
Steering System	0
Water/Mud Cleaning System	0
Overall Chassis	3 - Normal Wear & Tear
Overall Chassis Comments	Overall main frame and driver assembly in good condition.

Undercarriage Inspection Points

Undercarriage

Basic Information

OEM System Configuration (Ex. CAT SystemOne)	N/A
High Drive Configuration	No
Sealed and Lubricated Track Undercarriage (SALT)?	N/A
Oil Filled?	N/A
Grease Filled?	N/A
Low Ground Pressure (LGP)?	N/A
Track Shoe Width (inches)	16"
Length of Track on Ground (ft and inches)	N/A
Number of Carrier Rollers (per side)	N/A
Number of Rollers (per side)	N/A
Number of Shoes (per side)	N/A

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Undercarriage Photos

Undercarriage Photos					
					






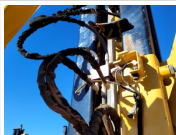




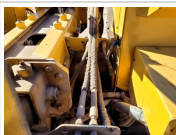
Undercarriage Inspection Points

Sprocket Teeth	3 - Normal Wear & Tear
Track Bushings	3 - Normal Wear & Tear
Track Frames	3 - Normal Wear & Tear
Pivot Shafts	0
Equalizer Bar & Joints	0
Front Idler	3 - Normal Wear & Tear
Track Tensioner	3 - Normal Wear & Tear
Track links	3 - Normal Wear & Tear
Bottom Rollers	3 - Normal Wear & Tear
Carrier Rollers	0
Overall Undercarriage	3 - Normal Wear & Tear
Overall Percent Estimate	50%
Overall Undercarriage Comments	Steel tracks are in good shape. Rubber add-ons are worn down past tracks grousers.

Hydraulics Overall Inspection Points

Hydraulics Overall









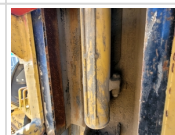


Hydraulic System Inspection Points

Hydraulic System Photos					
					
					
Wet or Damp Hydraulic Lines / Fittings	No				

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Hydraulic Lines/Fittings	3 - Normal Wear & Tear
Hydraulic Lines / Fittings Condition	Hydraulic lines & fittings are clean and in good condition
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	No
Comments	Pile Driver Mast, sideshift cylinder, has some residual oil but no active leak seen.
Hydraulic System Overall	3 - Normal Wear & Tear
Comments	Hydraulics were operating well and looked to be in healthy condition.

Functional Test

Functionality Assessment

Functionality Assessment

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	3 - Normal Wear & Tear
Core Functions	3 - Normal Wear & Tear

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Attachments	3 - Normal Wear & Tear
Overall Functional Test Comments	Machine's main core functions were operating as expected with no issues seen during the inspection.

Overall Assessment

Overall Assessment

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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	This pile driver has been well maintained and no major repairs needed to be put to work. The Engine and Hydraulics along with the Hydrostatics are working well.	
What Needs Work	Engine governor linkage sticky and should be further evaluated as to why. The battery was not holding charge after engine was running and may need to be replaced. The operator seat should be replaced and some cosmetic scuff marks are present throughout exterior.	
Date/Time	09-26-2023	
Inspector Name	Mario Ramirez	