

Location: Calex
Santa Clarita, CA

**TRUCK AND EQUIPMENT CONSULTING LLC – MINI PILING DRILL RIG CHECKLIST
(STANDARD)**

Date 7/12/2022
(Y/M/D)
Inspector L.W.
Initials

(Basic Information)	
(Manufacturer)	TechnoDrill
(Model Number)	TD610 Mini Piling Rig w/Engine Trailer
(Serial Number)	96124 (plate worn+faded unconfirmed)
(Year of Manufacturing)	1998
(Hour Meter Reading)	2465.9 Hrs
(Engine Model)	sn 21247181 Cummins C10B 115Hp 5.9L I6 TurboD
(Transmission)	Track Drive Forward + Reverse
(Diameter)	Max 23.6 in
(Feed Stroke)	4 ft 7 in closed / 7 ft 10 in extended

- 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)

Specification and Dimensions	
Serial Plate/Frame Inscription	961204
Operators Station	Standing Platform
Mast Retracted	7 Ft 3 in
Mast Extended	10 Ft 6 in Extended
Operational Length	9 Ft 9 in
Rotators	JT202 / JT203
Max Torque	7375 ft/lbs
Down force/ Retraction	13,200 lbs / 3200 lbs retract
Max Rotation	JT202 =130 RPM / JT203 =100 RPM
Max Weight	7830 lbs / 7900 lbs w/stabilizers
Other	Recommended drill tube length = 3 ft
	Accepts augers, temp casings, in hole hammers
	Engine Trailer (2 Part Rig) 4 independent stabilizers

	(Check List)	A	B	C	D	E	(Remarks)
GENERAL APPEARANCE	(General Appearance-Front)		X				Good appearance front components. Some surface wear+tear No damage
	(General Appearance-Rear)		X	X			Some minor panel dings+dents cosmetics No damage seen
	(General Appearance-Right)		X	X			Right track frame+side coponents Some surface wear+tear No damage
	(General Appearance-Left)		X	X			Left track frame+side coponents Some surface wear+tear No damage
	(General Appearance-Upper)		X				Upper deck+surface have some wear+tear cosmetics No damage
	(Major / Minor Surface Rust)		X				Some surface rust cosmetic only No rust damage or cancer
	(Body Panels / Covers – Rust Damage / Cancer)		X	X			Some minor panel dings+dents cosmetics No damage seen
	(Visible Weld Repairs / Stress Cracks)		X				No weld repairs, no patch repairs, no hairline stress cracks seen
	(Glass Condition)						N/A
	(Chassis / Undercarriage Damage)		X	X			Tracks and track frames shoes some wear+tear No damage
OPERATOR'S STATION	(Operator Panel)		X	X			Complete Good function Some surface paint cosmetics
	(Operator Controls and Switches)		X				Complete Good function
	(Hour Meter Activity)		X				Working
	(Other Gauge Activity)		X				Good gauge function
	(Display Screens)		X				Latches + panels Good Working condition
	(Safety – Horn / First Aid Kit)		X				Working
	(Operator Seat Condition)						N/A
	(Safety – Seat Belts / Fire Extinguisher)						N/A
ENGINE	(Oil Color / Fluid Appearance / Particulates or Granuales)		X				Normal appearance No blow by seen at operating temps
	(Noise Upon Startup / Noise Upon Idle / Noise Upon Shut Down)		X				No unusual noises at startup or shut down Smooth idle
	(Engine Exhaust Color – White / Blue / Black / Clear)		X				Clear
	(Oil Leaks)		X				No active oil leaks seen
	(Engine Smoke Upon Startup / Upon Idle / Upon Shut Down)		X				No smoke issues during operations
	(Coolant Color / Fluid Appearance)		X				Normal appearance and odor
	(Water Pump Noises / Damp Hoses / Coolant Leaks)		X				No pump noises, No damp hoses No leaks seen
	(Coolant Leaks from Radiator)		X				None seen
HYDRAULICS OVERALL	(Overall Engine Appearance Clean / Wet / Dry)		X				Good Engine +compartment appearance No rust Dry Insulation wear+tear
	(Overall appearance of Hydraulic lines/fittings – worn/cracked)		X				Good appearancehoses+fittings No pitting or discoloration on pistons
	(Hydraulic Pump Sounds / Noises)		X				No unusual noises during deployment, lateral, or tilt movement
	(Wet or Damp hydraulic lines and fittings / fluid leaks)		X				No active leaks or seepages seen
	(External Controls / Levers Condition)		X				No Damage Seen
(Hydraulics Service Records / Maintenance History)						not provided	

ELECTRICAL	(Lighting System Condition)					N/A
	(Reverse Alarm / Backup Signal)	X				N/A
	(Battery Condition)	X				Good battery appearance
	(Other Electric Device Condition)	X				No loose or dangling wires, harness+fuses good appearance
DRILL ROTATION	Rotation Bearing Condition	X				No unusual noises Normal appearance No damage seen
	Rotation Motor Condition	X				Working
	Swivel Joint Condition	X				Good articulation Lift + Drop No damage seen
	(Other Remarks)					
TRANSMISSION	(Clutch Noise / Function)	X				Good forward + reverse travel No delays, vibrations, or unusual noises
	(Transmission Noise / Function)	X				No delay or noises into forward or reverse Good Function
	(Shift Lever Condition & Function)	X				Walk Along Controls Good functionality
	(Other Remarks)	X				Good performance + functionality
CRAWLER & WHEEL ASSEMBLIES	(Transom / Boom / Arm Function / Noise)	X				No unusual noises Good function
	(Slack in Pins / Loose Pins / Soft Bushings)	X				No unusual noises Good function
	LEFT SIDE Link Bush / Drive Sprocket / Shoe Condition	X	X			Areas of wear+tear on undercarriage components Normal for hours
	RIGHT SIDE Link Bush / Drive Sprocket / Shoe Condition	X	X			Areas of wear+tear on undercarriage components Normal for hours
	LEFT SIDE Upper & Lower Roller / Front Idler Condition	X	X			Areas of wear+tear on undercarriage components Normal for hours
	RIGHT SIDE Upper & Lower Roller / Front Idler Condition	X	X			Areas of wear+tear on undercarriage components Normal for hours
	(TIRES - REAR TRAILER Condition)			X	X	Rear Trailer Tires Worn
DRILL COMPONENTS	Rotary Head	X				Good appearance and function
	Hydraulic Hoses+Fittings	X				Good hoses + fittings Dry appearance No fraying or dampness seen
	POWER SYSTEM	X				Good response
	LATERAL MOVEMENT	X				Good Lateral Articulation and Side to Side function
BRAKES	LIFT + DROP FUNCTION	X				Good Deployment and Return
	STABILIZERS	X				4 stabilizers Good appearance and function
	(Foot Brake)	X				Good brake function
	(Inching Brake)	X				Good
	(Parking Brake)	X				Good
	Front Drill Mount	X				No damage seen Some surface wear+tear cosmetics
DRILL MOUNT FRAME+CROSS MEMBERS	Right Side Frame	X				No damage seen Some surface wear+tear cosmetics
	Left Side Frame	X				No damage seen Some surface wear+tear cosmetics
	Cross Members	X				No damage seen Some surface wear+tear cosmetics
OPERATION	FORWARD & REVERSE TRAVEL	X				Limited testing Good Forward and Reverse Function
	DRILL FUNCTION					Due to site restriction No drilling tested
	DRILL EXTRACTION					Due to site restriction No drilling tested
	OVERALL FUNCTIONALITY					Due to site restriction No drilling tested
OPERATION	OVERALL VISUAL INSPECTION	X				Above Average appearance Clean+dry hydraulics, Good engine idle
	COMMENTS	X				Good hydraulics function+travel, No damages seen
	OVERALL PERFORMANCE INSPECTION	X				Travel performance good, controls+functions good, Good performance
	COMMENTS					Due to site restriction No drilling tested

OVERALL EXTERIOR RATING: B-/C+ QUALITY: B-/C+

OVERALL OPERATOR STATION: B-/C+ SAFETY: B-/C+

OVERALL PERFORMANCE: B / Incomplete FUNCTIONALITY: B/Incomplete

OVERALL EVALUATION GRADE: **B- / C+**

FLUID SAMPLE REQUEST (Y/N) n OIL n COOLANT n

*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