

TAI

Visual Inspection for Track-Type Tractors

Status assessment

Model

M - Monitor

Blank - Not Applicable

1 Prepare Machine Inspection

Comments

#	Status	Description	1 Prepare Machine Inspection	Comments
1.1	<input checked="" type="checkbox"/>	Check with customer for operator complaints		
1.2	<input checked="" type="checkbox"/>	Prepare the machine for the inspection		
1.3	<input checked="" type="checkbox"/>	Perform safety/preparatory inspection		
1.4	<input checked="" type="checkbox"/>	Download machine fault codes		
1.5	<input checked="" type="checkbox"/>	Check Product Link		
		Is machine equipped with PL?		
		Is PL activated?		
		Is PL functioning properly?		
1.6		Observe engine exhaust colors		
1.7		Listen for unusual noises		
1.8				hear a whistling noise (boost leak) / found bad left turbo fans boost
1.9				
1.10				
Item No.	Additional Comment			

#	Status/Description	2. Lower Level Inspection	Comments
2.1	✓ Final drives and sprockets		
2.2	✓ Carrier rollers		
2.3	✓ Track rollers		
2.4	✓ Track roller bogies		worn
2.5	✓ Front and rear idlers		worn
2.6	✓ Track guides		
2.7	✓ Track shoes		more than 1/2 life
2.8	✓ Track links, pins, and bushings		Never turned
2.9	✓ Track roller frame		
2.10	✓ Equalizer bar		
2.11	✓ Pivot shaft		- couldn't clean really well have no scale
2.12	✓ Bottom guards		don't see any tracks but bolts was ratty
2.13			
2.14			
2.15			
Item No. Additional Comment			

#	Status/Description	3. Middle Level Inspection	Comments
3.1	✓ Steps and handrails		
3.2	✓ Work lights		R/F on bent up
3.3	✓ Hood, platform and access doors		3 on left side disA work
3.4	✓ Fan guard and fan		
3.5	✓ Radiator, condenser, oil cooler and aftercooler		Red needs cleaned
3.8	✓ Radiator cap		
3.7	✓ Upper and lower radiator hoses and oil cooler hoses		
3.8	✓ Aftercooler lines		
3.9	✓ Air cleaner and pre-cleaner		
3.10	✓ Cylinder head and valve cover		
3.11	✓ Turbocharger		hear a boost leak on left side (lost with new turbo)
3.12	✓ Exhaust manifold		some leakage around left turbo
3.13	✓ Pulleys, belts, and compressor clutch		
3.14	✓ Water pump		
3.15	✓ Engine wiring harness		
3.16	✓ Fuel lines and fuel pump		
3.17			
3.18			
3.19			
Item No.	Additional Comment		

#	Status	Description	Comments
4.1	<input checked="" type="checkbox"/>	Cab exterior	
4.2	<input checked="" type="checkbox"/>	Cab interior	
4.3	<input checked="" type="checkbox"/>	Batteries and battery cables	Main, Fire batteries
4.4	<input checked="" type="checkbox"/>	Power train and hydraulic oil filter compartment	
4.5	<input checked="" type="checkbox"/>	Hydraulic tank	- 30 gal low topped off
4.6			
4.7			
4.8			
Item No.		Additional Comment	

S. Implement/Attachment Inspection		Comments
#	Status/Description	
5.1	<input checked="" type="checkbox"/> Blade and trunnion ball joints, stabilizer bar, tilt and angle cylinders	
5.2	<input checked="" type="checkbox"/> Blade Lift Cylinder	leaf lift saw having external
5.3	<input type="checkbox"/> Blade cutting edges and end bits	
5.4	<input type="checkbox"/> Ripper	
5.5	<input checked="" type="checkbox"/> Ripper cylinders	
5.6		
5.7		
5.8		
Item No.	Additional Comment	
Other Remarks		

Performance Checks for Track-Type Tractors

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M - Monitor

Blank - Not Applicable

Hydraulic Performance Checks

1 Performance Checks

Status	Description	Units	Observed	Max	Min	Comments
1.1.1	Cylinder Speed Tests					
	Bulldozer Tilt Cylinder Speed Test					
	Type of Blade					
	Full Tilt Right to Full Tilt Left					
	Full Tilt Left to Full Tilt Right					
	Bulldozer Lift Cylinder Speed Test					
	Ground to Full Up					
	Full Up to Ground (Quick Drop)					
	Pause at Ground (Quick Drop)					
	Ripper Cylinders Speed Test					
	Full Down to Full Up					
	Full Shank In to Full Shank Out					
1.1.2	Cylinder Drift Tests					
	Oil Temperature					
	Bulldozer Lift Cylinders Drift Test	Units	Observed	Max	Min	Oil Temperature Ranges
	Bulldozer Tilt Cylinders Drift Test					72° to 77°
	Ripper Lift Cylinders Drift Test					77° to 77°
	Ripper Tip Cylinders Drift Test					77° to 77°
	Maximum Allowable Movement					Minimum Allowable Time (sec)
	Minimum Allowable Time (sec)					Minimum Allowable Time (sec)
1.1.3	Steering Turn Diameter Check	Units	Observed	Max	Min	Comments
	Full Steer Left					
	Full Steer Right					

Blade is off

↓

only Ripper boom is on
costs more, because
costs hoses