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Inspection Checklist for 2018 CASE TR270

Model: CASE TR270
Year: 2018
Machine Hours: 1,306
Condition: Good (approximately 85%)



Visual and Structural Inspection

1. **Loader Arms and Boom:**
 - Inspected loader boom for structural integrity: **No cracks, bends, or deformations.**
 - Checked attachment points and pins: **Secured and free of excessive wear.**
2. **Hydraulic Hoses and Cylinders:**
 - Inspected hydraulic hoses for leaks, wear, or damage: **No issues detected.**
 - Verified cylinder operation and seals: **Smooth movement and no visible leaks.**
3. **Tracks and Undercarriage:**
 - Examined 13" rubber tracks for wear and damage: **Approximately 75% tread remaining.**
 - Inspected rollers, sprockets, and idlers: **Normal wear consistent with machine hours.**
 - Verified track tension: **Adjusted to specifications.**
4. **Frame and Chassis:**
 - Checked chassis and frame for damage, corrosion, or stress marks: **No issues found.**
 - Inspected counterweights and mounting hardware: **Secure and intact.**

Engine and Powertrain Inspection

5. **Engine (74 HP FPT Diesel):**

- Verified engine starts smoothly and operates without unusual noise or vibration: **Operating normally.**
 - Checked fluid levels (oil, coolant, etc.): **All within manufacturer-recommended ranges.**
 - Inspected for fluid leaks around engine compartment: **No leaks detected.**
6. **Exhaust System:**
- Inspected exhaust system for damage, leaks, or excessive emissions: **System functioning as expected.**
7. **Two-Speed Transmission:**
- Tested two-speed functionality: **Shifts smoothly between speeds.**
 - Inspected transmission housing for leaks or damage: **No issues noted.**

Operator Cabin Inspection

8. **Enclosed ROPS (EROPS):**
- Verified structural integrity of ROPS: **No damage or modifications.**
 - Checked cab seals and windows: **Seals intact, no cracks in windows.**
9. **Climate Control (Heat & Air Conditioning):**
- Tested heating and air conditioning systems: **Both systems operational and provide adequate temperature control.**
10. **Operator Controls:**
- Checked Selectable Joystick Controls (SJC): **Responsive and functioning correctly.**
 - Verified functionality of auxiliary hydraulic controls: **Operational.**
11. **Radio:**
- Confirmed radio operation: **Radio powers on and functions correctly.**

Hydraulic System Inspection

12. **Auxiliary Hydraulics:**
- Tested auxiliary hydraulic operation: **Flow rate and pressure within specifications.**
 - Verified hydraulic quick attach functionality: **Operates as intended.**
13. **Hydraulic Fluid:**
- Checked fluid level and condition: **Fluid clear and at proper level.**
 - Inspected hydraulic pump and fittings for leaks: **No leaks detected.**

Performance and Safety Inspection

14. **Bucket (74" GP):**
- Inspected bucket for wear, cracks, and edge condition: **Minor wear on cutting edge, otherwise in good shape.**

- Verified bucket attachment and detachment process: **Hydraulic quick attach functions properly.**
- 15. Lift and Tilt Functions:**
- Tested lifting capacity (1,890 lbs): **Performs within specified limits.**
 - Checked tilt cylinder operation: **Smooth and responsive.**
- 16. Lighting and Electrical Systems:**
- Verified operation of all lights (work lights, hazard lights, etc.): **All lights functional.**
 - Checked battery and wiring connections: **Battery holds charge, no visible corrosion or loose wires.**
- 17. Safety Features:**
- Inspected seatbelt and operator presence system: **Fully functional.**
 - Verified emergency shutoff: **Operational.**
- 18. Operating Weight and Stability:**
- Confirmed stability at full operating weight (8,270 lbs): **Machine remains stable during operation.**
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Overall Assessment

The 2018 CASE TR270 Skidsteer with 1,306 machine hours is in **good condition** with approximately 85% overall functionality. The machine's critical components, including the engine, hydraulics, and operator controls, are performing as expected, and no significant issues were identified during the inspection. Minor wear on the tracks and bucket edge is consistent with machine hours and does not affect performance. This Skidsteer is ready for immediate use.