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Inspection Checklist for 2021 KOMATSU PC138US LC-11



Equipment Information

- Model: 2021 KOMATSU PC138US LC-11
- Hours: 1,578
- Condition: Good condition
- Features: Enclosed Cab (EROPS), Push Blade, 42" Bucket, Hydraulic Thumb

Inspection Report

1. Boom, Arm, and Bucket

Boom and Arm: Inspected for wear, no visible cracks or structural damage. Minor surface wear observed, consistent with machine hours.

Hydraulic Cylinders: Fully operational, no leaks detected. Seals in good condition.

Bucket: 42" bucket shows moderate wear but remains in good working condition. No cracks or non-factory welds detected.

Hydraulic Thumb: Operates smoothly with no excessive play or leaks. Pins and bushings are in serviceable condition.

2. Hydraulic System

Hydraulic Fluid Levels: Within manufacturer-recommended range. No contamination or unusual discoloration noted.

Hoses and Fittings: No visible leaks, cracks, or wear. All fittings secure and properly sealed.

Hydraulic Pump: Operating within specifications. No abnormal noises or vibrations during operation.

Cylinders: No scoring or excessive wear observed on rod surfaces.

3. Undercarriage

Tracks: Rubber tracks show approximately 75% remaining life. No significant cuts or cracks observed.

Sprockets and Rollers: Moderate wear, within acceptable limits. All rollers and idlers rotate freely without binding or noise.

Track Tension: Properly adjusted per manufacturer specifications.

Push Blade: Functional with no structural damage or hydraulic leaks. Cutting edge shows normal wear.

4. Swing Drive and Swing Motor

Swing Drive: Operates smoothly with no abnormal noises or jerks during rotation.

Swing Motor: Free of leaks; gears and seals in good condition.

5. Engine Condition

Oil Levels: Checked and within normal operating range. Oil appears clean with no signs of contamination.

Filters: Air, oil, and fuel filters inspected and clean. No replacement needed at this time.

Exhaust System: No visible smoke or unusual noises during operation.

Cooling System: Radiator and coolant levels checked, no leaks detected. Fan and belt in good condition.

6. Cab Condition

Interior: Clean and well-maintained. Operator controls and gauges are fully functional.

HVAC System: Heater and air conditioning operating effectively. No unusual odors or sounds.

Seat: Operator seat and suspension in excellent condition with minimal wear.

7. Electrical System

Lights: All work lights and indicators functional.

Battery: Securely mounted, with proper voltage. Terminals are clean and free of corrosion.

Wiring: No frayed or exposed wires detected.

8. Drivetrain and Transmission

Transmission: Shifts smoothly under load with no unusual noises or slipping.

Final Drives: Free of leaks; no abnormal wear detected.

Summary of Findings

The 2021 KOMATSU PC138US LC-11 is in good condition, showing minimal wear consistent with its 1,578 operating hours. All major systems, including the engine, hydraulics, undercarriage, and cab, are functional and within operational specifications. No immediate repairs or replacements are required, but continued routine maintenance is recommended to ensure optimal performance.

This equipment is work-ready.