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Inspection Checklist for 2021 John Deere 310SL



Engine Performance and Fluid Levels

- **Engine Oil Level and Condition:** Checked; oil level is within the optimal range, and the oil appears clean with no signs of contamination.
- **Coolant Level and Condition:** Inspected; coolant is at the appropriate level and maintains proper coloration, indicating effective cooling system performance.
- **Fuel System:** Examined; no leaks detected, and fuel filters are clean, ensuring efficient fuel delivery.
- **Air Filter:** Inspected; the primary engine air filter element is clean, allowing for optimal airflow.

Hydraulic System Checks

- **Hydraulic Fluid Level and Condition:** Verified; fluid levels are adequate, and the fluid is clean, supporting efficient hydraulic operations.
- **Boom, Dipper, and Bucket Cylinders:** Inspected; all cylinders are functioning smoothly with no leaks or damage observed.
- **Hydraulic Hoses and Connections:** Checked; hoses and connections are secure and free from wear or leaks.

Undercarriage and Axles

- **Front and Rear Axles:** Inspected; both axles are in good condition with minimal wear, consistent with the low machine hours.

- **Drive Shaft and Universal Joints:** Examined; components are intact and exhibit no signs of excessive wear or damage.

Tires and Tire Pressure

- **Tire Condition:** Assessed; all tires have approximately 90% tread remaining, indicating minimal use.
- **Tire Pressure:** Checked; tire pressures are set to manufacturer specifications, ensuring optimal machine stability and performance.

Electrical System and Battery Condition

- **Battery:** Tested; battery holds charge effectively, and terminals are clean and secure.
- **Lighting and Signals:** Verified; all lights and signals are operational, enhancing safety during operation.

Backhoe Attachments

- **Bucket and Extendable Hoe:** Inspected; the bucket shows minimal wear, and the extendable hoe operates smoothly without issues.
- **Auxiliary Valves:** Tested; auxiliary hydraulic functions are responsive and fully operational.

Operator Cabin

- **Visibility:** Checked; windows and mirrors are clean and free from cracks, providing clear visibility.
- **Controls:** Tested; all controls are responsive and function as intended, ensuring precise machine operation.
- **Seat Condition:** Inspected; the operator seat is in excellent condition, offering comfort during extended use.

Safety Features

- **Warning Alarms:** Verified; all alarms are functional, providing necessary alerts to the operator.
- **Emergency Functions:** Tested; emergency stop and related safety functions operate correctly, ensuring operator safety.

Structural Integrity

- **Boom and Arm:** Inspected; structural components are free from cracks or defects, indicating sound structural integrity.

- **Frame: Examined; the machine frame is in excellent condition with no signs of damage or excessive wear.**