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Inspection Checklist for 2021 DEERE 450K LGP



Inspection Summary

Overall Condition: 85% - Good condition

This bulldozer has been professionally inspected by a certified mechanic. Below are the detailed findings:

Engine

- **Performance:** Engine operating smoothly within normal parameters; no unusual noises or vibrations noted.
 - **Emissions Compliance:** Verified; complies with US EPA regulations.
 - **Oil Level and Quality:** Oil at optimal level, clean, and within recommended viscosity range.
 - **Air Filter:** Inspected and replaced; old filter showed moderate buildup.
 - **Coolant System:** No leaks; fluid levels and condition are optimal. Radiator inspected for damage – none found.
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Hydraulic System

- **Fluid Levels:** Optimal; no contamination or signs of degradation.
- **Lines and Fittings:** Inspected; no leaks or visible wear. Fittings securely fastened.

- **Pump and Cylinders:** Functioning efficiently with no delays in movement or unusual noises.
 - **Control Response:** Hydraulic controls responsive and within manufacturer specifications.
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Undercarriage

- **Tracks:** Tracks show **80% life remaining**; alignment within specifications.
 - **Rollers and Idlers:** Minimal wear; no excessive play or damage noted.
 - **Sprockets:** Teeth in good condition with minor wear consistent with hours of use.
 - **Track Shoes:** Solid; no cracks or abnormal wear.
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Blade

- **Condition:** Minor wear on cutting edge; suitable for current operation but replacement advised within **200 operating hours**.
 - **Hydraulics:** Blade movement smooth; no leaks detected in hydraulic lines.
 - **Mounting Points:** Secure; no abnormal wear or misalignment.
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Operator Station (OROPS)

- **Seat and Controls:** Operator seat in good condition with no tears. Controls functional and responsive.
 - **Visibility:** Clear and unobstructed. Mirrors and protective structures in place.
 - **Safety Features:** ROPS structure inspected and verified to meet safety standards.
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Powertrain

- **Transmission:** Shifting smoothly across all gears. No unusual noises or hesitation.
 - **Drive Components:** Drive motors and final drives in good condition, with no leaks or overheating during operation.
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Electrical System

- **Battery:** Voltage within specifications; terminals clean and securely fastened.
 - **Lighting:** All lights (front, rear) operational and providing adequate illumination.
 - **Wiring:** Inspected; no fraying, exposed wires, or loose connections.
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Additional Features

- **Pull Bar:** Inspected and functional; no damage or deformation.
 - **6-Way Blade:** Full range of motion confirmed; hydraulics responsive and functioning without hesitation.
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Fluid Samples

- **Engine Oil:** Normal wear elements; no contaminants detected.
 - **Hydraulic Fluid:** Clean and within normal operating specifications.
 - **Coolant:** Normal freeze point and pH level; no contamination.
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Recommendations

1. Monitor cutting edge wear on the blade and plan for replacement within **200 hours**.
 2. Routine servicing advised at **1,200 hours** to maintain optimal performance.
 3. Continue to monitor track alignment and tension as part of regular maintenance.
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Inspector's Note

This 2021 DEERE 450K LGP is a **work-ready machine** in good condition. Minor wear is consistent with the hours of operation. Regular maintenance and adherence to the service schedule will ensure continued reliability and performance.
