# 930 Quick Start Guide

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## Shifting & Transmission

- To shift out of neutral, your foot MUST be on the brake and the handbrake must be fully released (100% down).
- If the handbrake light is on the dashboard, the machine will NOT shift out of neutral.
- The gear-icon switch is the inching/neutral switch. Pressing the brake puts the transmission in neutral so you can throttle into a pile without fighting the brakes.

## Air Seat (newer machines)

- Seat air only works with your foot on the brake.
- Air-seat fuse shares the shifting circuit: second fuse down, 20-amp.

## Diesel Heater (if equipped)

- Takes a while to start. That is normal.
- Makes a sound when shut off. That is normal; leave it alone.

## Heater & Air Conditioning

- A marked valve in the engine compartment controls coolant to the heater core. Close it in summer when using A/C.
- Heater control is on the right side of the cab; the switch controls fan speed.
- Do NOT run the A/C in winter. It fights the heater and reduces heat.

## Grease & Corrosion

- Any high-performance machine grease is fine. Color does not matter.
- If corrosion spray was applied at the shop, it is CRC SP-400 (SP400).

## Transmission Oil

- Initial change: after 50 hours or one season, whichever comes first.
- After break-in: every 250 hours.

## Maintenance Quick Reference

- Every 10 hrs (daily): check fluids, hydraulics, brakes, lights
- Every 50 hrs (weekly): brake adjust, battery, transmission bolts
- Every 250 hrs: tire pressure, clean filters, brake system
- Every 500 hrs: inspect valves, cylinders, adjust bearings
- Every 1000 hrs: replace all oils & filters, full inspection
- Fall / Spring: open/close heater core ball valve

## Engine Oil & Filter

- Engine: Cummins QSF2.8
- Oil: Cummins CES 20078 approved. Recommended: Valvoline Premium Blue 8600 15W-40
- Change interval: every 250–500 hrs or once a season
- Oil filter: Fleetguard LF17356 · Cummins 5266016
- Crosses: Donaldson P557356 · Baldwin B40051 · Wix WL10299 · Carquest 95084
- Install by hand, no strap wrench. Torque 40 N·m.
- Older machines/sheets: LF17535 / Cummins 5399594. Newer machines use LF17356.

## Fuel Filter / Water Separator

- Spin-on: Fleetguard FS19732 · Cummins 3973233
- Crosses: Donaldson P550848 · Baldwin BF1385-SPS · NAPA 3732 · Wix 33732 · Carquest 86732 · Fram PS11226 · Luber-Finer LFF9732
- Machines with FH21660NN housing: cartridge Fleetguard FS53060 NN (order OEM)
- Drain water when the WIF warning light comes on.

## Hydraulic Oil & Filter

- Hydraulic oil: AW46, change once every season
- Hydraulic filter: Napa 557201, change once every season