

SERVICE SCHEDULE

Maintenance Intervals

Maintenance work must be done at regular intervals. Failure to do so will result in excessive wear and early failures.

The service schedule is a guide for correct maintenance of the Bobcat telescopic handler.

WARNING

AVOID INJURY OR DEATH

Instructions are necessary before operating or servicing machine. Read and understand the **Operation & Maintenance Manual, Operator's Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.**

W-2003-0807

Every 10 Hours (Before Starting The Telescopic Handler)

- **Engine Oil** - Check level and add as needed. Do not overfill. Check engine for oil leaks. (See page 172.)
- **Engine Air Filters and Air System** - Check condition indicator and empty dust cup as needed. Check for leaks. (See page 165.)
- **Engine Cooling System** - Check oil cooler, radiator and air conditioner condenser. Check coolant level cold in reservoir. Add premixed coolant as necessary. (See page 175.) Check cooling system for leaks.
- **Exhaust System** - Check exhaust system and exhaust after-treatment components for leaks.
- **Hydraulic Fluid** - Check fluid level and add as needed. (See page 185.)
- **Fuel Filter** - Check display panel. Remove the trapped water. (See page 169.)
- **Seat Belt** - Check the condition of seat belt. Clean or replace seat belt retractors as needed. Clean dirt and debris from moving parts. (See page 94.) and (See page 158.)
- **Back-up Alarm** - Check for proper function. Service as necessary. (See page 71 and page 162.)
- **Service Brakes** - Check for function. Service as necessary.
- **Parking Brakes** - Check for function. Adjust or service as necessary.
- **Tyres** - Check for wear or damage. Inflate to correct pressure. Be sure all tyres are inflated to the same pressure. Use only approved tyres. (See page 197.)
- **Wheel Nuts** - Perform every 8 hours or daily for the first week, then as scheduled. Check for loose wheel nuts and tighten to correct torque. (See page 197.)
- **Safety Signs and Safety Treads and Mirrors** - Check for damaged signs (decals), safety treads and mirrors. Replace any signs, safety treads or mirrors that are damaged or worn. (See page 30.)
- **Tilt Cylinder Rod End** - Lubricate with multipurpose lithium based grease. (See page 199.)
- **Attachment Carrier Pins** - Lubricate with multipurpose lithium based grease. (See page 199.)

Every 50 Hours

- **Fuel Filter** - Replace filter the first time, then as scheduled. (See page 169.)
- **Engine Cooling System** - Clean debris from radiator, air cooler, hydraulic fluid cooler, air conditioning condenser (if equipped), and grille. (See page 175.)
- **Engine Oil and Filter** - Replace oil and filter the first time, then as scheduled. (See page 173.)
- **Hydraulic / Hydrostatic Fluid Filters** - Replace the three filter elements the first time, then as scheduled. Use a genuine Bobcat filter. (See page 187.)
- **Air Conditioning Belt (if equipped)** - Check condition. Replace as needed. (See page 195.)
- **Articulation Pins, Axle Oscillation (Front/Rear), Boom Pivot, Boom Cylinder, Levelling Cylinder** - Lubricate with multipurpose lithium based grease. (See page 199.)
- **Telescopic Boom Wear Pads** - Lubricate with multipurpose lithium based grease. (See page 199.)
- **Hydraulic Hoses, Tubelines and Connections** - Check for leaks. Repair or replace as needed.
- **Harnesses** - Check condition. Repair or replace as needed.
- **Articulated Steering Links** - Check for any damage or cuts on the rubber protection. Replace as needed.
- **Cab Air Filter and Intake Pipes** - Check filter condition. Replace as necessary. Check for damage. (See page 163.)

SERVICE SCHEDULE (CONT'D)

Maintenance Intervals (Cont'd)

Every 100 Hours

- **LLMC System** - Test the LLMC calibration the first time, then as scheduled. (See page 159.)
- **Wheel Nuts** - Check for loose wheel nuts and tighten to correct torque. (See page 197.)
- **Planetary Carriers** - Replace the fluid the first time, then as scheduled. (See page 189.)
- **Axle and Differential Fluid**- Replace the fluid the first time, then as scheduled. (See page 190.) and (See page 191.)
- **Gear Box Fluid** - Check level. Replace the fluid the first time, then as scheduled. (See page 192.)

Every 250 Hours Or Every 12 Months

- **LLMC System** - Test the LLMC calibration (See page 159.)
- **Planetary Carriers** - Check level. (See page 189.)
- **Axle and Differential Fluid**- Check level. (See page 190.) and (See page 191.)

Every 500 Hours Or Every 12 Months

- **Fuel Filter** - Replace filter. (See page 169.)
- **Engine Oil and Filter** - Replace oil and filter. (See page 173.)
- **Engine Cooling System** - Check coolant concentration (with a refractometer). Replace as needed.
- **Air Conditioning Belt (if equipped)** - Check condition. Replace as needed. (See page 195.)
- **Hydraulic / Hydrostatic Fluid Filters** - Replace the three filter elements. Use a genuine Bobcat filter. (See page 187.)
- **Hydraulic Tank Breather** - Replace the hydraulic tank breather. (See page 188.)
- **Axle and Differential Fluid** - Replace the fluid. (See page 190 and page 191.) Maximal service time is 800 hours.
- **Gear Box Fluid** - Check level. (See page 192.)
- **Telescopic Boom Wear Pads** - Check for wear. Replace as necessary.
- **Service Brake Pedal Spring** - Lubricate with multipurpose lithium based grease. (See page 199.)
- **Cab Air Filter** - Replace filter. (See page 163.)

Every 750 Hours Or Every 12 Months

- **Planetary Carriers** - Replace the fluid. (See page 189.)
- **Axle and Differential Fluid** - Replace the fluid. (See page 190.) and (See page 191.)

Every 1000 Hours Or Every 12 Months

- **Battery and Cable Connectors** - Check voltage. Check terminals for good contact and presence of protective grease. (See page 181.)
- **Engine Mounts** - Tighten. Replace if damaged.
- **Engine Air Filter** - Replace the outer filter element. (See page 165.)
- **Charge Air Cooler** - Check entry area.
- **Alternator Belt** - Check condition. Replace as needed. (See page 193.)
- **Hydraulic Fluid** - Replace the fluid. (See page 186.)
- **Gear Box Fluid** - Replace the fluid. (See page 192.)
- **Fastenings, Hose Unions and Clips** - Replace if damaged.
- **Engine Valve Clearance** - Check and adjust.
- **Oil Separator Filter** - Replace the oil separator filter. (See page 174.)

Every 2000 Hours Or Every 24 Months

- **Coolant** - Replace the coolant. (See page 176.)
- **Engine Air Filter** - Replace the inner filter element. (See page 165.)

Every 3000 Hours Or Every 36 Months

- **Alternator Belt** - Replace the belt. (See page 193.)
- **Diesel Exhaust Fluid (DEF) / AdBlue[®] Filter** - Replace the diesel exhaust fluid (DEF) / AdBlue[®] filter.