

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.

During service, record:

- The machine operating hours.
- Maintenance procedures that are performed.



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 169.)
- **Engine Air Filters and Air System** - Check condition indicator and empty dust cup as needed. Check for leaks. (See page 163.)
- **Engine Cooling System** - Check oil cooler, radiator and air conditioner condenser. Check coolant level cold in reservoir. Add premixed coolant as necessary. (See page 172.) 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 180.)
- **Fuel Filter, Primary** - Check display panel. Remove the trapped water. (See page 166.)
- **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 84.) and (See page 155.)
- **Back-up Alarm (if equipped)** - Check for proper function. Service as necessary. (See page 68 and page 159.)
- **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 191.)
- **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 191.)
- **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 28.)
- **Tilt Cylinder Rod End** - Lubricate with multipurpose lithium based grease. (See page 193.)
- **Attachment Carrier Pins** - Lubricate with multipurpose lithium based grease. (See page 193.)

Every 50 Hours

- **Fuel Filter, Primary** - Replace primary filter element the first time, then as scheduled. (See page 166.)
- **Fuel Filter, Secondary** - Replace secondary filter element the first time, then as scheduled. (See page 168.)
- **Engine Cooling System** - Clean debris from radiator, air cooler, hydraulic fluid cooler, air conditioning condenser (if equipped), and grille. (See page 172.)
- **Engine Oil and Filter** - Replace oil and filter the first time, then as scheduled. (See page 170.)
- **Hydraulic / Hydrostatic Fluid Filter** - Replace the filter element the first time, then as scheduled. Use a genuine Bobcat filter. (See page 182.)
- **Air Conditioning Belt (if equipped)** - Check condition. Replace as needed. (See page 189.)
- **Articulation Pins, Axle Oscillation (Front/Rear), Boom Pivot, Lift Cylinder, Self Levelling Cylinder, Frame-Levelling Cylinder (if equipped), Stabiliser Cylinder, Front / Rear Chain Pulley Pivots** - Lubricate with multipurpose lithium based grease. (See page 193.)
- **Telescopic Boom Wear Pads** - Lubricate with multipurpose lithium based grease. (See page 193.)
- **Hydraulic Hoses, Tubelines and Connections** - Check for leaks. Repair or replace as needed.
- **Harnesses** - Check condition. Repair or replace as needed.

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 156.)
- **Wheel Nuts** - Check for loose wheel nuts and tighten to correct torque. (See page 191.)
- **Planetary Carriers** - Replace the fluid the first time, then as scheduled. (See page 184.)
- **Axle and Differential Fluid** - Replace the fluid the first time, then as scheduled. (See page 185 and page 186.)
- **Reduction Box Fluid** - Replace the fluid the first time, then as scheduled. (See page 187.)

Every 250 Hours Or Every 12 Months

- **LLMC System** - Test the LLMC calibration (See page 156.)
- **Planetary Carriers** - Check level. (See page 184.)
- **Axle and Differential Fluid** - Check level. (See page 185 and page 186.)
- **Reduction Box Fluid** - Check level. (See page 187.)
- **Chains** - Check and apply chain lubricant as needed. Check chain tension and wear. Adjust or replace as necessary. (See page 198.)

Every 500 Hours Or Every 12 Months

- **Fuel Filter, Primary** - Clean and check primary filter element. (See page 166.)
- **Engine Oil and Filter** - Replace oil and filter. (See page 170.)
- **Engine Cooling System** - Check coolant concentration (with a refractometer). Replace as needed. (See page 172.)
- **Air Conditioning Belt (if equipped)** - Check condition. Replace as needed. (See page 189.)
- **Hydraulic / Hydrostatic Fluid Filter** - Replace the filter element. Use a genuine Bobcat filter. (See page 182.)
- **Hydraulic Tank Breather** - Replace the hydraulic tank breather. (See page 183.)
- **Axle and Differential Fluid** - Replace the fluid. (See page 185 and page 186.) Maximal service time is 800 hours.
- **Reduction Box Fluid** - Replace the fluid. (See page 187.) Maximal service time is 800 hours.
- **Telescopic Boom Wear Pads** - Check for wear. Replace as necessary.
- **Service Brake Pedal Spring** - Lubricate with multipurpose lithium based grease. (See page 193.)
- **Cab Air Filter** - Check filter condition. Replace as necessary. Check for damage. (See page 161.)

Every 750 Hours Or Every 12 Months

- **Planetary Carriers** - Replace the fluid. (See page 184.)
- **Axle and Differential Fluid** - Replace the fluid. (See page 185 and page 186.)
- **Reduction Box Fluid** - Replace the fluid. (See page 187.)

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 177.)
- **Fuel Filter, Primary** - Replace primary fuel filter element. (See page 166.)
- **Fuel Filter, Secondary** - Replace secondary fuel filter element. (See page 168.)
- **Engine Mounts** - Tighten. Replace if damaged.
- **Engine Air Filter** - Replace the outer filter element. (See page 163.)
- **Charge Air Cooler** - Check entry area.
- **Alternator Belt** - Check condition. Replace as needed. (See page 188.)
- **Air Conditioning Belt (if equipped)** - Check condition. Replace as needed. (See page 189.)
- **Hydraulic Fluid** - Replace the fluid. (See page 181.)
- **Fastenings, Hose Unions and Clips** - Replace if damaged.

Every 3000 Hours

- **Alternator Belt and Tensioning Pulley** - Replace the belt and tensioning pulley. (See page 188.)

Every 24 Months

- **Coolant** - Replace the coolant. (See page 173.)