

## 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.

#### *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 154.)
- **Engine Air Filters and Air System** - Check condition indicator and empty dust cup as needed. Check for leaks. (See page 147.)
- **Engine Cooling System** - Check oil cooler, radiator and air conditioner condenser. Check coolant level cold in reservoir. Add premixed coolant as necessary. (See page 156.) Check cooling system for leaks.
- **Exhaust System** - Check exhaust system and exhaust aftertreatment components for leaks.
- **Hydraulic Fluid** - Check fluid level and add as needed. (See page 166.)
- **Fuel Filter, Primary** - Check display panel. Remove the trapped water. (See page 150.)
- **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 140.)
- **Back-up Alarm** - Check for proper function. Service as necessary. (See page 62 and page 144.)
- **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 177.)
- **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 177.)
- **Safety Signs (Decals), 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 26.)
- **Tilt Cylinder Rod End** - Lubricate with multipurpose lithium based grease. (See page 179.)
- **Attachment Carrier Pins** - Lubricate with multipurpose lithium based grease. (See page 179.)

#### *Every 50 Hours*

- **Engine Cooling System** - Clean debris from radiator, air cooler, hydraulic fluid cooler, air conditioning condenser (if equipped), and grille. (See page 156.)
- **Engine Oil and Filter** - Replace oil and filter the first time, then as scheduled. (See page 155.)
- **Hydraulic / Hydrostatic Fluid Filter** - Replace the filter element the first time, then as scheduled. Use a genuine Bobcat filter. (See page 168.)
- **Air Conditioning Belt (if equipped)** - Check condition. Replace as needed. (See page 175.)
- **Articulation Pins, Axle Oscillation (Front/Rear), Boom Pivot, Lift Cylinder, Self Levelling Cylinder** - Lubricate with multipurpose lithium based grease. (See page 179.)
- **Telescopic Boom Wear Pads** - Lubricate with multipurpose lithium based grease. (See page 179.)
- **Hydraulic Hoses, Tubelines and Connections** - Check for leaks. Repair or replace as needed.
- **Harnesses** - Check condition. Repair or replace as needed.

## **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

## 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 141.)
- **Wheel Nuts** - Check for loose wheel nuts and tighten to correct torque. (See page 177.)
- **Planetary Carriers** - Replace the fluid the first time, then as scheduled. (See page 170.)
- **Axle and Differential Fluid** - Replace the fluid the first time, then as scheduled. (See page 171 and page 172.)
- **Reduction Box Fluid** - Replace the fluid the first time, then as scheduled. (See page 173.)

#### *Every 250 Hours Or Every 12 Months*

- **LLMC System** - Test the LLMC calibration (See page 141.)
- **Planetary Carriers** - Check level. (See page 170.)
- **Axle and Differential Fluid** - Check level. (See page 171 and page 172.)
- **Reduction Box Fluid** - Check level. (See page 173.)

#### *Every 500 Hours Or Every 12 Months*

- **Fuel Filter, Primary** - Replace primary fuel filter element. (See page 150.)
- **Fuel Filter, Secondary** - Replace secondary fuel filter element. (See page 152.)
- **Engine Oil and Filter** - Replace oil and filter. (See page 155.)
- **Engine Cooling System** - Check coolant concentration (with a refractometer). Replace as needed. (See page 156.)
- **Air Conditioning Belt (if equipped)** - Check condition. Replace as needed. (See page 175.)
- **Charge Air Cooler** - Clean and check entry area.
- **Hydraulic / Hydrostatic Fluid Filter** - Replace the filter element. Use a genuine Bobcat filter. (See page 168.)
- **Hydraulic Tank Breather** - Replace the hydraulic tank breather. (See page 169.)
- **Axle and Differential Fluid** - Replace the fluid. (See page 171 and page 172.) Maximal service time is 800 hours.
- **Reduction Box Fluid** - Replace the fluid. (See page 173.) 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 179.)
- **Cab Air Filter and Intake Pipes** - Check filter condition. Replace as necessary. Check for damage. (See page 145.)
- **A/C System Water Condensate Rubber Valves** - Clean the rubber valves. (See page 145.)

#### *Every 750 Hours Or Every 12 Months*

- **Planetary Carriers** - Replace the fluid. (See page 170.)
- **Axle and Differential Fluid** - Replace the fluid. (See page 171 and page 172.)
- **Reduction Box Fluid** - Replace the fluid. (See page 173.)

#### *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 160.)
- **Engine Mounts** - Tighten. Replace if damaged.
- **Engine Air Filter** - Replace the outer filter element. (See page 147.)
- **Alternator Belt** - Check condition. Replace as needed. (See page 174.)
- **Air Conditioning Belt (if equipped)** - Check condition. Replace as needed. (See page 175.)
- **Hydraulic Fluid** - Replace the fluid. (See page 167.)
- **Fastenings, Hose Unions and Clips** - Replace if damaged.
- **Engine Valve Clearance** - Check and adjust.

#### *Every 3000 Hours*

- **Alternator Belt** - Replace the belt. (See page 174.)
- **Alternator** - Inspect the alternator. (See page 176.)

#### *Every 24 Months*

- **Coolant** - Replace the coolant. (See page 157.)