

## 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 168.)
- **Engine Air Filters and Air System** - Check condition indicator and empty dust cup as needed. Check for leaks. (See page 161.)
- **Engine Cooling System** - Check oil cooler, radiator and air conditioner condenser. Check coolant level cold in reservoir. Add premixed coolant as necessary. (See page 170.) 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 181.)
- **Fuel Filter, Primary** - Check display panel. Remove the trapped water. (See page 164.)
- **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 81.) and (See page 154.)
- **Back-up Alarm** - Check for proper function. Service as necessary. (See page 62 and page 158.)
- **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 192.)
- **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 192.)
- **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 24.)
- **Tilt Cylinder Rod End** - Lubricate with multipurpose lithium based grease. (See page 194.)
- **Attachment Carrier Pins** - Lubricate with multipurpose lithium based grease. (See page 194.)

#### *Every 50 Hours*

- **Engine Cooling System** - Clean debris from radiator, air cooler, hydraulic fluid cooler, air conditioning condenser (if equipped), and grille. (See page 170.)
- **Engine Oil and Filter** - Replace oil and filter the first time, then as scheduled. (See page 169.)
- **Hydraulic / Hydrostatic Fluid Filter** - Replace the filter element the first time, then as scheduled. Use a genuine Bobcat filter. (See page 183.)
- **Air Conditioning Belt (if equipped)** - Check condition. Replace as needed. (See page 190.)
- **Articulation Pins, Axle Oscillation (Front/Rear), Boom Pivot, Lift Cylinder, Self Levelling Cylinder, Frame-Levelling Cylinder, Stabiliser Cylinders, Chain Pulley Pivots (Front / Rear)** - Lubricate with multipurpose lithium based grease. (See page 194.)
- **Telescopic Boom Wear Pads** - Lubricate with multipurpose lithium based grease. (See page 194.)
- **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.**

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## 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 155.)
- **Wheel Nuts** - Check for loose wheel nuts and tighten to correct torque. (See page 192.)
- **Planetary Carriers** - Replace the fluid the first time, then as scheduled. (See page 185.)
- **Axle and Differential Fluid**- Replace the fluid the first time, then as scheduled. (See page 186 and page 187.)
- **Reduction Box Fluid** - Replace the fluid the first time, then as scheduled. (See page 188.)

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

- **LLMC System** - Test the LLMC calibration (See page 155.)
- **Planetary Carriers** - Check level. (See page 185.)
- **Axle and Differential Fluid**- Check level. (See page 186 and page 187.)
- **Reduction Box Fluid** - Check level. (See page 188.)
- **Chains** - Check chain tension and wear. Adjust or replace as necessary. (See page 199.)

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

- **Fuel Filter, Primary** - Replace primary fuel filter element. (See page 164.)
- **Fuel Filter, Secondary** - Replace secondary fuel filter element. (See page 166.)
- **Engine Oil and Filter** - Replace oil and filter. (See page 169.)
- **Engine Cooling System** - Check coolant concentration (with a refractometer). Replace as needed. (See page 170.)
- **Alternator Belt** - Check condition. Replace as needed. (See page 189.)
- **Air Conditioning Belt (if equipped)** - Check condition. Replace as needed. (See page 190.)
- **Charge Air Cooler** - Clean and check entry area.
- **Hydraulic / Hydrostatic Fluid Filter** - Replace the filter element. Use a genuine Bobcat filter. (See page 183.)
- **Hydraulic Tank Breather** - Replace the hydraulic tank breather. (See page 184.)
- **Axle and Differential Fluid** - Replace the fluid. (See page 186 and page 187.) Maximal service time is 800 hours.
- **Reduction Box Fluid** - Replace the fluid. (See page 188.) 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 194.)
- **Cab Air Filter and Intake Pipes** - Check filter condition. Replace as necessary. Check for damage. (See page 159.)
- **Engine Valve Clearance** - Check and adjust.

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

- **Planetary Carriers** - Replace the fluid. (See page 185.)
- **Axle and Differential Fluid** - Replace the fluid. (See page 186 and page 187.)
- **Reduction Box Fluid** - Replace the fluid. (See page 188.)

#### *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 175.)
- **Engine Mounts** - Tighten. Replace if damaged.
- **Engine Air Filter** - Replace the outer filter element. (See page 161.)
- **Alternator Belt** - Check condition. Replace as needed. (See page 189.)
- **Air Conditioning Belt (if equipped)** - Check condition. Replace as needed. (See page 190.)
- **Hydraulic Fluid** - Replace the fluid. (See page 182.)
- **Fastenings, Hose Unions and Clips** - Replace if damaged.

#### *Every 3000 hours*

- **Alternator Belt** - Replace the belt. (See page 189.)
- **Alternator** - Inspect the alternator. (See page 191.)

#### *Every 24 Months*

- **Coolant** - Replace the coolant. (See page 171.)