

## 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.



#### AVOID INJURY OR DEATH

**Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual 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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#### *Every 10 Hours (Before Starting The Telescopic Handler)*

- **Engine Oil** - Check level and add as needed. Do not overfill. (See Page 147.)
- **Engine Air Filters and Air System** - Check condition indicator and empty dust cup as needed. Check for leaks and damaged components. (See Page 138.)
- **Engine Cooling System** - Clean debris from radiator, hydraulic fluid cooler and air conditioning condenser. Check coolant level COLD and add premixed coolant as needed. Check cooling system for leaks. (See Page 147.)
- **Exhaust System** - Check exhaust system and exhaust after-treatment components for leaks.
- **Fuel Filter, Primary** - Check display panel. Remove the trapped water (See Page 141.)
- **Seat Belt, Seat Belt Retractors** - Check the condition of seat belt. Clean or replace seat belt retractors as needed. Clean dirt and debris from moving parts. Check mounting hardware. (See Page 131.)
- **Front Horn / Back-up Alarm** - Check for proper function and repair as needed. (See Page 60.) and (See Page 135.)
- **Tyres** - Check for wear or damaged tyres. Inflate to correct air pressure. Be sure all tyres are inflated to the same pressure. Use only approved tyres. (See Page 169.)
- **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 169.)
- **Service Brakes** - Check for correct function. Service as necessary.
- **Parking Brake** - Check for correct function. Adjust or service as necessary.
- **Boom Angle and Extension Indicators, Safety Signs (Decals), Safety Treads and Mirrors** - Check for damaged indicators, signs (decals), safety treads and mirrors. Replace any indicators, signs, safety treads or mirrors that are damaged or worn. (See Page 26.)
- **Hydraulic Fluid** - Check fluid level and add as needed. (See Page 157.)
- **Tilt Cylinder** - Lubricate with multipurpose lithium based grease. (See Page 170.)
- **Attachment Carrier Pins** - Lubricate with multipurpose lithium based grease. (See Page 170.)

#### *Every 50 Hours*

- **Engine Cooling System** - Clean debris from radiator, air cooler, hydraulic fluid cooler, air conditioning condenser (if equipped), and grille. (See page 147.)
- **Engine Oil and Filter** - Replace oil and filter the first time, then as scheduled. (See page 146.)
- **Hydraulic / Hydrostatic Fluid Filters** - Replace the two filter elements for the first time, then as scheduled. Use a genuine Bobcat filter. (See page 159.)
- **Air Conditioning Belt (if equipped)** - Check condition. Replace as needed. (See page 167.)
- **Articulation Pins, Axle Oscillation (Front/Rear), Lift Cylinder, Boom Pivot, Levelling Cylinder** - Lubricate with multipurpose lithium based grease. (See page 170.)
- **Telescopic Boom Wear Pads** - Lubricate with multipurpose lithium based grease.
- **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 132.)
- **Wheel Nuts** - Check for loose wheel nuts and tighten to correct torque. (See page 169.)
- **Planetary Carriers** - Replace the fluid the first time, then as scheduled. (See page 162.)
- **Axle and Differential Fluid** - Replace the fluid the first time, then as scheduled. (See page 163.)
- **Gear Box Fluid** - Check level. Replace the fluid the first time, then as scheduled. (See page 165.)

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

- **LLMC System** - Test the LLMC calibration (See page 132.)
- **Planetary Carriers** - Check level. (See page 162.)
- **Axle and Differential Fluid** - Check level. (See page 163.)

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

- **Fuel Filter, Primary** - Replace primary fuel filter element. (See page 141.)
- **Fuel Filters, Secondary** - Replace secondary fuel filter elements. (See page 144.)
- **Engine Oil and Filter** - Replace oil and filter. (See page 146.)
- **Engine Cooling System** - Check coolant concentration (with a refractometer). Replace as needed.
- **Air Conditioning Belt (if equipped)** - Check condition. Replace as needed. (See page 167.)
- **Charge Air Cooler** - Clean and check entry area.
- **Hydraulic / Hydrostatic Fluid Filters** - Replace the two filter elements. Use a genuine Bobcat filter. (See page 159.)
- **Hydraulic Tank Breather** - Replace the hydraulic tank breather.
- **Axle and Differential Fluid** - Replace the fluid. (See page 162.) and (See page 163.) Maximal service time is 800 hours.
- **Gear Box Fluid** - Check level. (See page 165.)
- **Telescopic Boom Wear Pads** - Check for wear. Replace as necessary.
- **Service Brake Pedal Spring** - Lubricate with multipurpose lithium based grease. (See page 170.)
- **Cab Air Filter and Intake Pipes** - Check filter condition. Replace as necessary. Check for damage. (See page 136.)
- **Engine Valve Clearance** - Check and adjust.

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

- **Planetary Carriers** - Replace the fluid. (See page 162.)
- **Axle and Differential Fluid** - Replace the fluid. (See page 162.) and (See page 163.)

#### *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 154.)
- **Engine Mounts** - Tighten. Replace if damaged.
- **Engine Air Filter** - Replace the outer filter element. (See page 146.)
- **Alternator Belt** - Check condition. Replace as needed. (See page 166.)
- **Hydraulic Fluid** - Replace the fluid. (See page 159.)
- **Gear Box Fluid** - Replace the fluid. (See page 165.)
- **Fastenings, Hose Unions and Clips** - Replace if damaged.

#### *Every 3000 Hours*

- **Alternator Belt** - Replace the belt. (See page 166.)
- **Alternator** - Inspect the alternator. (See page 168.)

#### *Every 24 Months*

- **Coolant** - Replace the coolant. (See Page 148.)