

## 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 180.)
- **Engine Air Filters and Air System** - Check condition indicator and empty dust cup as needed. Check for leaks. (See page 171.)
- **Engine Cooling System** - Check oil cooler, radiator and air conditioner condenser. Check coolant level cold in reservoir. Add premixed coolant as necessary. (See page 183.) 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 193.)
- **Fuel Filter** - Check display panel. Remove the trapped water. (See page 177.)
- **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 104.) and (See page 164.)
- **Back-up Alarm** - Check for proper function. Service as necessary. (See page 81 and page 168.)
- **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 206.)
- **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 206.)
- **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 38.)
- **Tilt Cylinder Rod End** - Lubricate with multipurpose lithium based grease. (See page 208.)
- **Attachment Carrier Pins** - Lubricate with multipurpose lithium based grease. (See page 208.)

### *Every 50 Hours*

- **Fuel Filter** - Replace filter the first time, then as scheduled. (See page 177.)
- **Engine Cooling System** - Clean debris from radiator, air cooler, hydraulic fluid cooler, air conditioning condenser (if equipped), and grille. (See page 183.)
- **Engine Oil and Filter** - Replace oil and filter the first time, then as scheduled. (See page 181.)
- **Hydraulic / Hydrostatic Fluid Filters** - Replace the three filter elements (TL34.65(X)C and TL38.70(X)) or two filter elements (TL35.70(X)) the first time, then as scheduled. Use a genuine Bobcat filter. (See page 195.)
- **Air Conditioning Belt (if equipped)** - Check condition. Replace as needed. (See page 204.)
- **Articulation Pins, Axle Oscillation (Front/Rear), Boom Pivot, Lift Cylinder, Levelling Cylinder** - Lubricate with multipurpose lithium based grease. (See page 208.)
- **Telescopic Boom Wear Pads** - Lubricate with multipurpose lithium based grease. (See page 208.)
- **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 165.)
- **Wheel Nuts** - Check for loose wheel nuts and tighten to correct torque. (See page 206.)
- **Planetary Carriers** - Replace the fluid the first time, then as scheduled. (See page 198.)
- **Axle and Differential Fluid** - Replace the fluid the first time, then as scheduled. (See page 199.) and (See page 200.)
- **Gear Box Fluid** - Check level. Replace the fluid the first time, then as scheduled. (See page 201.)

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

- **LLMC System** - Test the LLMC calibration (See page 165.)
- **Planetary Carriers** - Check level. (See page 198.)
- **Axle and Differential Fluid** - Check level. (See page 199.) and (See page 200.)

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

- **Fuel Filter** - Clean and check filter. (See page 177.)
- **Engine Oil and Filter** - Replace oil and filter. (See page 181.)
- **Engine Cooling System** - Check coolant concentration (with a refractometer). Replace as needed.
- **Air Conditioning Belt (if equipped)** - Check condition. Replace as needed. (See page 204.)
- **Hydraulic / Hydrostatic Fluid Filters** - Replace the three filter elements (TL34.65(X)C and TL38.70(X)) or two filter elements (TL35.70(X)). Use a genuine Bobcat filter. (See page 195.)
- **Hydraulic Tank Breather** - Replace the hydraulic tank breather. (See page 197.)
- **Axle and Differential Fluid** - Replace the fluid. (See page 199 and page 200.) Maximal service time is 800 hours.
- **Gear Box Fluid** - Check level. (See page 201.)
- **Telescopic Boom Wear Pads** - Check for wear. Replace as necessary.
- **Service Brake Pedal Spring** - Lubricate with multipurpose lithium based grease. (See page 208.)
- **Cab Air Filter and Intake Pipes** - Check filter condition. Replace as necessary. Check for damage. (See page 169.)

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

- **Planetary Carriers** - Replace the fluid. (See page 198.)
- **Axle and Differential Fluid** - Replace the fluid. (See page 199.) and (See page 200.)

#### *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 189.)
- **Engine Mounts** - Tighten. Replace if damaged.
- **Engine Air Filter** - Replace the outer filter element. (See page 171.)
- **Charge Air Cooler** - Check entry area.
- **Alternator Belt** - Check condition. Replace as needed. (See page 202.)
- **Hydraulic Fluid** - Replace the fluid. (See page 194.)
- **Gear Box Fluid** - Replace the fluid. (See page 201.)
- **Fastenings, Hose Unions and Clips** - Replace if damaged.
- **Engine Valve Clearance** - Check and adjust.

#### *Every 2000 Hours Or Every 12 Months*

- **Oil Separator Filter** - Replace the oil separator filter. (See page 182.)

#### *Every 3000 Hours*

- **Alternator Belt** - Replace the belt. (See page 202.)

## SERVICE SCHEDULE (CONT'D)

### Maintenance Intervals (Cont'd)

*Every 3000 Hours Or Every 3 Years*

- **Diesel Exhaust Fluid (DEF) / AdBlue® Filter** - Replace the diesel exhaust fluid (DEF) / AdBlue® filter.

*Every 24 Months*

- **Coolant** - Replace the coolant. (See page 184.)

### Inspection Checkbook

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.

The Inspection Checkbook contains the following information:

- Doosan Bobcat EMEA s.r.o. Warranty Policy
- Doosan Bobcat EMEA s.r.o. Extended Warranty Policy

The Inspection Checkbook has to be filled in by the Dealer for any maintenance and service work of your Bobcat machine. This book may be required anytime by an authorized dealer or by Bobcat Europe, should a breakdown occur on the Bobcat equipment. Your local dealer can order the Inspection Checkbook.

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