

## 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-2003EN-0807

#### *Every 10 Hours (Before Starting The telescopic handler)*

- **Engine Oil** - Check level and add as needed. (See Page 179.)
- **Engine Air Filters and Air System** - Check display panel. Service only when required. Check for leaks and damaged components. (See Page 173.)
- **Engine Cooling System** - Clean debris from radiator, fuel cooler, hydraulic fluid cooler, air conditioning condenser and grille. Check coolant level COLD and add premixed coolant as needed. (See Page 172.) and (See Page 182.)
- **Fuel Filter** - Check display panel. Remove the trapped water when required. (See Page 176.)
- **Seat Belt, Seat Belt Retractors, Control Interlocks** - Check the condition of seat belt. Clean or replace seat belt retractors as needed. Check the control interlocks for correct operation. Clean dirt and debris from moving parts. (See Page 166.)
- **Front Horn / Back-up Alarm** - Check for proper function. (See Page 168.)
- **Tyres** - Check for damaged tyres and correct air pressure. Inflate to MAXIMUM pressure shown on the sidewall of the tyre. (See Page 204.)
- **Operator Cab** - Check the fastening bolts, washers, and nuts. Check the condition of the cab.
- **Indicators and Lights** - Check for correct operation of all indicators and lights. (See Page 49.)
- **Wheel Nuts** - Perform every 10 hours or daily for the first 30 hours, then as scheduled. Check for loose wheel nuts and tighten to correct torque. (See Page 204.)
- **Safety Signs and Safety Treads** - Check for damaged signs (decals) and safety treads. Replace any signs that are damaged or worn. (See Page 26.)
- **Hydraulic Fluid** - Check fluid level and add as needed. (See Page 197.)
- **Brakes** - Check brakes for correct operation.
- **Lights** - Check lights for correct operation. Replace any lights that are non working as soon as possible.
- **Machine Inspection** - Check for worn or damaged parts. Repair or replace as necessary.
- **Mirrors** - Check for dirty or damaged parts. Clean, adjust, repair or replace as necessary.
- **Window Washer Fluid** - Check level and add as needed.
- **Safety Devices** - Check for correct operation. Service immediately if problems found. Contact your Bobcat dealer for service.
- **Anti Tipping Device** - Check for correct operation. Service immediately if problems found. (See Page 57.)
- **Heater and Air Conditioning Filters** - Clean or replace filters as needed. (See Page 172.)

#### *Every 50 Hours*

- **Hydraulic Hoses and Tubelines** - Check for damage and leaks. Repair or replace as needed.
- **Cab Fresh Air Filter** - Check filter. Clean or replace as needed. (See Page 172.)
- **Parking Brake, Foot Pedals and Steering, or Joysticks** - Check for correct operation. Repair or adjust as needed.
- **Wheel Nuts** - Check for loose wheel nuts and tighten to correct torque. (See Page 204.)
- **Engine Oil and Filter** - Perform at first 50 hours, then as scheduled. Replace oil and filter. (See Page 180.)
- **Boom, Stabilisers, Cylinders, Attachment Coupler, Pivot Pins, Axle Oscillation, Boom Slides** - Lubricate with multipurpose lithium based grease. (See Page 211.)

## SERVICE SCHEDULE (CONT'D)

### Maintenance Intervals (Cont'd)

#### *Every 250 Hours Or Every 3 Months*

- **Battery** - Check cables, connections, and electrolyte level; add distilled water as needed. (See Page 189.)
- **Mirrors** - Inspect and adjust. Replace damage mirrors.
- **Hardware and Hydraulic Fitting Torque** - Inspect machine for loose hardware and hydraulic fitting and hoses for leaks. Repair, replace or torque all hardware as needed. Clean, tighten, repair or replace hydraulic components as necessary.
- **Swing Bearing** - Clean and lubricate. (See Page 211.)
- **Drive Belts (Alternator, air conditioning, water pump)** - Check condition, check for cuts, cracks and rubbing signs. Replace as needed. (See Page 209.)

#### *Every 500 Hours Or Every 6 Months*

- **Fuel Filter** - Replace filter element. (See Page 176.)
- **Hydraulic Charge Filter** - Replace the charge filter. (See Page 198.)
- **Engine Oil and Filter** - Perform every 100 hours when operating under severe conditions. Replace oil and filter. (See Page 180.)
- **Heater Coil and Air Conditioning Evaporator** (If Equipped) - Clean the heater coil and air conditioning evaporator. Clean the plenum drains. (See Page 171.)
- **Cab Fresh Air Filter** - Check filter. Clean or replace as needed. (See Page 172.)
- **Gearbox** - Check fluid level. (See Page 207.)
- **Axle Hubs** - Check fluid level. (See Page 206.)

#### *Every 1000 Hours Or Every 12 Months*

- **Hydraulic / Hydrostatic Filter** - Replace the hydraulic / hydrostatic filter. (See Page 198.)
- **Hydraulic Reservoir** - Replace the fluid. (See Page 198.)
- **Axles, front and rear** - Replace the fluid. (See Page 206.)
- **Gearbox** - Replace the fluid. (See Page 207.)
- **Axle Hubs** - Replace the fluid. (See Page 206.)
- **Engine Valves** - Adjust the engine valve clearance.
- **Fuel Injectors** - Check for proper operation.
- **Exhaust Gas Recirculation (EGR) Cooler** - Test the EGR cooler for leaks. Perform an EGR actuation test. Clean the gas and coolant passages.
- **Turbocharger** - Check the turbocharger for leaks. Tighten bolts, nuts, and clamps or replace gaskets, clamps, and hoses as needed. Check the wheel clearance. Replace turbocharger if the wheel touches the housing.
- **Fuel Supply Pump** - Check for proper operation and calibrate.
- **Exhaust Gas Recirculation (EGR) System** - Perform an EGR actuation test. Clean the gas and coolant passages.
- **Coolant** - Replace the coolant. (See Page 184.)

NOTE: The Inspection Checkbook can be ordered for you by your local dealer. Part number 7296478.

## **SERVICE SCHEDULE (CONT'D)**

### **Maintenance Intervals (Cont'd)**

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 the correct maintenance of the Bobcat excavator.

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 authorised dealer or by Bobcat Europe, should a breakdown occur on the Bobcat equipment.

Your dealer can order the Inspection Checkbook.  
Part Number: 7296478.