

## 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 EarthForce loader.



#### 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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#### *Every 10 Hours (Before Starting The Loader)*

- **Engine Oil** – Check level and add as needed. (See Page 92.)
- **Engine Air Filters and Air System** – Check condition indicator. Service only when required. Check for leaks and damaged components. (See Page 85.)
- **Engine Cooling System** – Clean debris from hydraulic fluid cooler and radiator assembly, rear grille, and rear door screen. Check coolant level COLD and add premixed coolant as needed. (See Page 95.) and (See Page 96.)
- **Fuel Filter** – Remove trapped water from the spin-on filter. (See Page 89.)
- **Lift Arms, Cylinders, Attachment Coupler, Pivot Pins, Wedges** – Lubricate with multipurpose lithium based grease. (See Page 112.)
- **Seat Belt, Seat Bar, Control Interlocks** – Check the condition of seat belt. Check the seat bar and control interlocks for correct operation. Clean dirt and debris from moving parts. (See Page 72.) and (See Page 74.)
- **Interlock Control System** – Check for correct function. Lift and Tilt functions MUST NOT operate with seat bar raised. (See Page 70.)
- **Front Horn / Back-up Alarm** – Check for proper function. (See Page 33.) and (See Page 78.)
- **Tyres** – Check for damaged tyres and correct air pressure. Inflate to MAXIMUM pressure shown on the sidewall of the tyre. (See Page 109.)
- **Operator Cab** – Check the fastening bolts, washers, and nuts. Check the condition of the cab. (See Page 80.)
- **Indicators and Lights** – Check for correct operation of all indicators and lights. (See Page 30.)
- **Safety Signs and Safety Treads** – Check for damaged signs (decals) and safety treads. Replace any signs or safety treads that are damaged or worn. (See Page 15.) and (See Page 48.)
- **Hydraulic Fluid** – Check fluid level and add as needed. (See Page 104.)
- **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 109.)

#### *First 50 Hours*

- **Engine Oil and Filter** – Replace oil and filter. (See Page 93.)

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## SERVICE SCHEDULE (CONT'D)

### Maintenance Intervals (Cont'd)

#### *Every 50 Hours*

- **Hydraulic Hoses and Tubelines** – Check for damage and leaks. Repair or replace as needed.
- **Final Drive Transmission (Chaincase)** – Check fluid level and add as needed. (See Page 110.)
- **Parking Brake, Foot Pedals, and Steering Levers** – Check for correct operation. Repair or adjust as needed.
- **Wheel Nuts** – Check for loose wheel nuts and tighten to correct torque. (See Page 109.)

#### *Every 100 Hours*

- **Battery** – Check cables, connections, and electrolyte level; add distilled water as needed. (See Page 101.)
- **Engine Oil and Filter** – Perform every 100 hours when operating under severe conditions. Replace oil and filter. (See Page 93.)

#### *Every 250 Hours or Every 12 Months*

- **Fuel Filters** – Replace both fuel filter elements. (See Page 89.)
- **Drive Belt (Alternator, water pump)** – Check condition and tension. Adjust or replace as needed. (See Page 111.)
- **Interlock Control System** – Check the function of the lift arm bypass control. (See Page 70.)
- **Engine Oil and Filter** – Replace oil and filter. (See Page 93.)

#### *Every 500 Hours or Every 12 Months*

- **Hydraulic Filter, Hydraulic Case Drain Filter, Hydraulic Reservoir Breather Cap** – Replace the hydraulic filter, the case drain filter and the reservoir breather cap. (See Page 107.) and (See Page 108.) and (See Page 108.)

#### *Every 1000 Hours or Every 12 Months*

- **Hydraulic System** – Replace the fluid. (See Page 105.)
- **Final Drive Transmission (Chaincase)** – Replace the fluid. (See Page 110.)
- **Engine Valves** – Adjust the engine valve clearance.

#### *Every 1500 Hours or Every 24 Months*

- **Coolant** – Replace the coolant. (See Page 97.)

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