| DAILY MAINTENANCE BOXXER 318HP |
|---|
| Check the engine oil level. Add oil if needed. |
| Check the high pressure pump oil. Add oil if needed. |
| Inspect and clean the recovery tank filters. |
| Inspect and clean the orifices and filters. |
| Inspect and clean the garden hose screen. |
| Inspect the truckmount for water and oil leaks, loose electrical connections, etc. and repair as needed. |
| Lubricate the blower lube port with HydraMaster-recommended spray lubricant. |

**INTERVAL IN HOURS BOXXER 318HP**

| | |
|---|---|
| Engine oil and filter | Change engine oil and filter after first 8 hours; afterwards, change the engine oil and filter every 50 hours. (Every 25 hours if operating in high ambient temperatures or heavy use conditions.) |
| Blower oil | Change the blower oil after first 100 hours of use. |
| High pressure pump oil | Change high pressure pump oil after first 50 hours of operation. (Every 500 hours thereafter.) |

| SERVICE | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 | 450 | 475 | 500 | 525 | 550 | 575 | 600 | 625 | 650 | 675 | 700 | 725 | 750 | 775 | 800 | 825 | 850 | 875 | 900 | 925 | 950 | 975 | 1000 | 1025 | 1050 | 1075 | 1100 | 1125 | 1150 | 1175 | 1200 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inspect recovery tank filters for tears, holes, etc. Repair or replace as needed. | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH |
| Inspect the vacuum relief valve. Clean and lubricate as necessary. | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH |
| Clean the recovery tank thoroughly with pressure washer. | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I | C/I |
| Check the oil level in the blower. Add oil if needed. | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH |
| Check the pump drive belt for wear and proper tension. Tighten as needed. | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH |
| Check all the hoses and wiring for wear and chafing. Secure as needed. | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH |
| Flush the water and chemical systems with solution of equal parts white vinegar and water. | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F |
| Check all the nuts and bolts. Tighten as needed.* | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH | CH |
| Change the engine oil and filter every 50 hours. (Every 25 hours if operating in high ambient temperatures or heavy use conditions.) | | R | | R | | R | | R | | R | | R | | R | | R | | R | | R | | R | | R | | R | | R | | R | | R | | R | | R | | R | | R | | R | | R | | R | |
| **SERVICE** | **25** | **50** | **75** | **100** | **125** | **150** | **175** | **200** | **225** | **250** | **275** | **300** | **325** | **350** | **375** | **400** | **425** | **450** | **475** | **500** | **525** | **550** | **575** | **600** | **625** | **650** | **675** | **700** | **725** | **750** | **775** | **800** | **825** | **850** | **875** | **900** | **925** | **950** | **975** | **1000** | **1025** | **1050** | **1075** | **1100** | **1125** | **1150** | **1175** | **1200** |
| Check the engine air filter. Clean or replace as necessary. | | | | CH | | | | CH | | | | CH | | | | CH | | | | CH | | | | CH | | | | CH | | | | CH | | | | CH | | | | CH | | | | CH | | | | CH |
| Check the water level in battery. Fill as needed. | | | | CH | | | | CH | | | | CH | | | | CH | | | | CH | | | | CH | | | | CH | | | | CH | | | | CH | | | | CH | | | | CH | | | | CH |
| Clean the battery terminals as needed. | | | | C/I | | | | C/I | | | | C/I | | | | C/I | | | | C/I | | | | C/I | | | | C/I | | | | C/I | | | | C/I | | | | C/I | | | | C/I | | | | C/I |
| Replace spark plugs. | | | | R | | | | R | | | | R | | | | R | | | | R | | | | R | | | | R | | | | R | | | | R | | | | R | | | | R | | | | R |
| **SERVICE** | **25** | **50** | **75** | **100** | **125** | **150** | **175** | **200** | **225** | **250** | **275** | **300** | **325** | **350** | **375** | **400** | **425** | **450** | **475** | **500** | **525** | **550** | **575** | **600** | **625** | **650** | **675** | **700** | **725** | **750** | **775** | **800** | **825** | **850** | **875** | **900** | **925** | **950** | **975** | **1000** | **1025** | **1050** | **1075** | **1100** | **1125** | **1150** | **1175** | **1200** |
| Check the coupler element (rubber insert) for cracks or wear. Replace as necessary. | | | | | | | | | | CH | | | | | | | | | | CH | | | | | | | | | | CH | | | | | | | | | | CH | | | | | | | | |
| Check the fuel lines. Repair or replace as needed. | | | | | | | | | | | | CH | | | | | | | | | | | | CH | | | | | | | | | | | | CH | | | | | | | | | | | | CH |
| Clean and gap the spark plugs to 0.030". Replace if excessive carbon buildup is visible. | | | | | | | | | | | | C/I | | | | | | | | | | | | C/I | | | | | | | | | | | | C/I | | | | | | | | | | | | C/I |
| Change the fuel filter. | | | | | | | | | | | | R | | | | | | | | | | | | R | | | | | | | | | | | | R | | | | | | | | | | | | R |
| Change pump drive belt. | | | | | | | | | | | | R | | | | | | | | | | | | R | | | | | | | | | | | | R | | | | | | | | | | | | R |
| **SERVICE** | **25** | **50** | **75** | **100** | **125** | **150** | **175** | **200** | **225** | **250** | **275** | **300** | **325** | **350** | **375** | **400** | **425** | **450** | **475** | **500** | **525** | **550** | **575** | **600** | **625** | **650** | **675** | **700** | **725** | **750** | **775** | **800** | **825** | **850** | **875** | **900** | **925** | **950** | **975** | **1000** | **1025** | **1050** | **1075** | **1100** | **1125** | **1150** | **1175** | **1200** |
| Change the blower oil. | | | | | | | | | | | | | | | | | | | | R | | | | | | | | | | | | | | | | | | | | R | | | | | | | | |
| Change the high pressure pump oil. | | | | | | | | | | | | | | | | | | | | R | | | | | | | | | | | | | | | | | | | | R | | | | | | | | |
| Check the engine valve clearance (intake and exhaust 0.004" - 0.006") | | | | | | | | | | | | | | | | | | | | CH | | | | | | | | | | | | | | | | | | | | CH | | | | | | | | |
| Change the fuel filter. | | | | | | | | | | | | | | | | | | | | R | | | | | | | | | | | | | | | | | | | | R | | | | | | | | |
| Check the coupler element (rubber insert) for cracks or wear. Replace as necessary | | | | | | | | | | | | | | | | | | | | CH | | | | | | | | | | | | | | | | | | | | CH | | | | | | | | |
| **SERVICE** | **25** | **50** | **75** | **100** | **125** | **150** | **175** | **200** | **225** | **250** | **275** | **300** | **325** | **350** | **375** | **400** | **425** | **450** | **475** | **500** | **525** | **550** | **575** | **600** | **625** | **650** | **675** | **700** | **725** | **750** | **775** | **800** | **825** | **850** | **875** | **900** | **925** | **950** | **975** | **1000** | **1025** | **1050** | **1075** | **1100** | **1125** | **1150** | **1175** | **1200** |
| Change air filters | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R | | | | | | | | |
| Check plug wires. Replace as necessary | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | CH | | | | | | | | |
| Check carburetor. Clean or replace as necessary. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | CH | | | | | | | | |
| Replace the coupler element (rubber insert) for cracks or wear. Replace as necessary | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | R | | | | | | | | |
| Clean the heat exchanger core. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | C/I | | | | | | | | |

* Check engine and blower mounting bolts, coupler retaining bolts, exhaust fasteners, etc.

| | |
|---|---|
| Adjust | A |
| Check | CH |
| Clean and Inspect | C/I |
| Clean and Lubricate | C/L |
| Flush | F |
| Replace | R |