

Bad Boy OutlawXP Briggs Vanguard 36HP Oil Change

- Bad Boy OutlawXP Briggs Vanguard 36HP Oil Change
 - Oil Change Intervals
 - Supplies (OEM except the Oil)
 - Tools
 - Torque
 - Draining The Oil
 - Filter Removal
 - Plug & Filter Install
 - Fill the Oil

This HowTo covers an oil change on a 2017 Bad Boy Outlaw XP zero turn mower with the Briggs & Stratton 36HP engine.



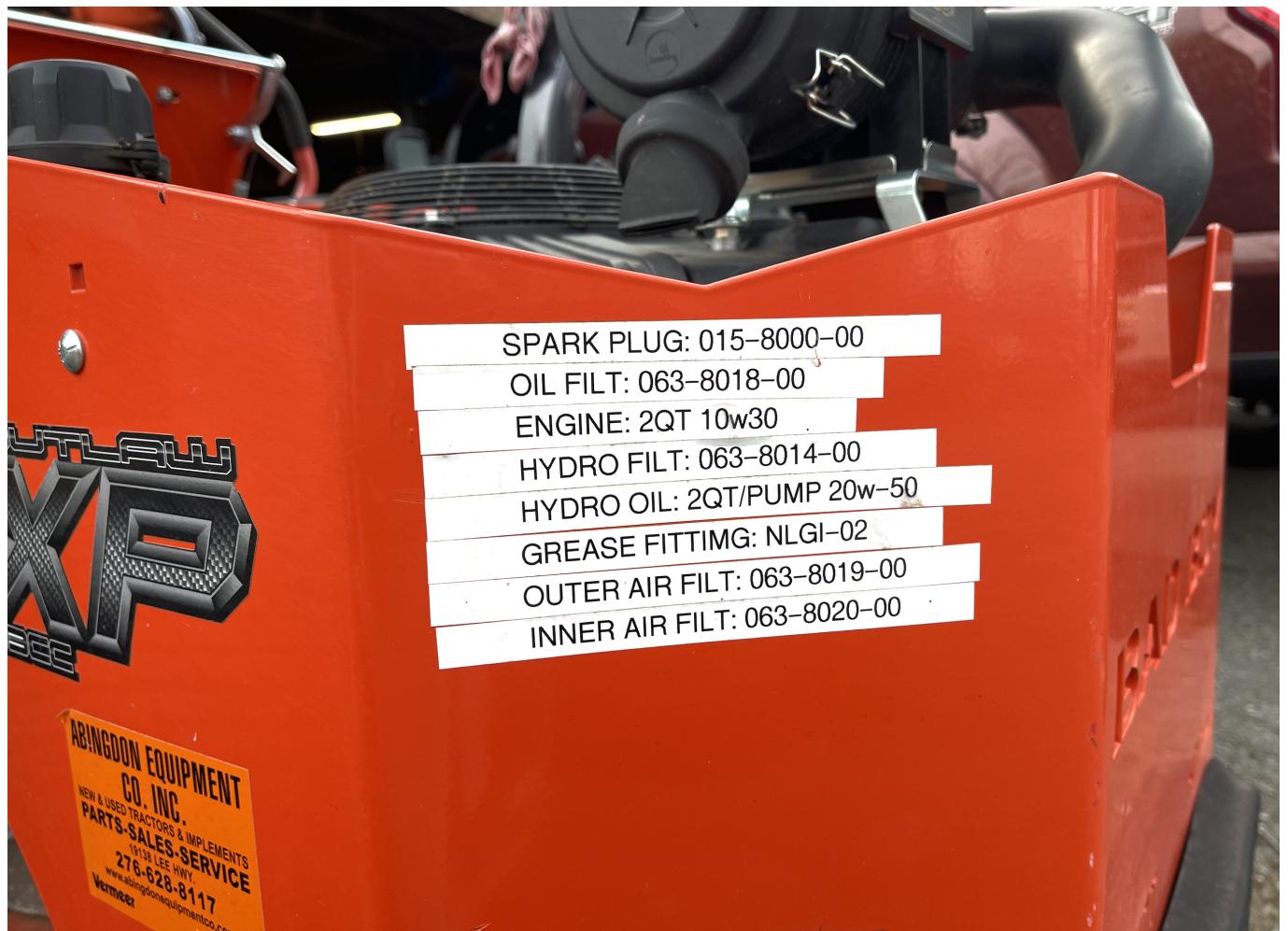
Oil Change Intervals

Oil change intervals are every 50 hours or yearly

Date	Hours	Description
20220322	152.4	2qts Mobil 1 10w30 full synthetic

Supplies (OEM except the Oil)

- Oil:
 - Oil Type: 10w30 Full Synthetic (Mobil 1)
 - Oil Quantity: 2qts
 - Filter: Briggs 0653-8018-00
 - Filter Wrench: 75mm with 14 Flutes



Tools

- 14mm socket/wrench
- 21mm socket/wrench
- 11/16" open end wrench
- Oil Filter Wrench: 75mm with 14 flutes (not required, but handy)
- Socket elbow/universal joint for filter wrench and ratchet
- Zip ties in case you need to cut any for wiggle room

Torque

- Drain Plug: 10 ft-lb

Draining The Oil

The oil drain plug is located on the left side of the engine (when facing from the rear) under the hydro reservoir.

Note: You may want to jack the right side tire up a bit by driving it onto a 2x4 to give it a bit of tilt for draining. I didn't do while doing this oil change and the oil drain was SLOW. I thought about temporarilly jacking it with a floor jack but couldn't find a good location for the jack.



Use a 21mm socket/wrench on the drain plug and an 11/16" wrench to counter the torque when loosening the plug. I find it handy to use my Milwaukee 90 degree M12 impact wrench for loosening the drain plug.

Remove the drain cap and allow the oil to drain.

Filter Removal

- I like to loosen the right hand side 14mm bolt that allows the side to swing out. This will give you more room to reach the filter.
- Remove the fan shroud by working it outward toward the tire
- Place a few shop towels under the filter, but over the sensor with the green wire that sits below
- Use a 75mm with 14 flute oil filter wrench with with socket set universal joint and ratchet to loosen the filter. I worked the filter wrench and universal joint in from the top working toward the back and down. Once seated, it only took a slight turn of the wrench to break it free so that it was finger loose.



- Remove the socket wrench followed by the filter wrench and universal joint

Plug & Filter Install

- Install oil drain plug and tighten to 10 ft-lb using 11/16" open end wrench to provide counter torque
- Fill the filter with oil to the threads, allow 2 mintues or so to soak into the element
- Install the filter and hand tighten

Fill the Oil

Fill with 2 quarts of 10w30 full synthetic oil. While doing so, check for leaks at the filter and drain plug

Reinstall the fan shroud, close the side and tighten the 14mm nut