

Oil Change Checklist

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| Supplies Needed |
| Part | Qty | Part No. |
| Oil Filter | 1 | Tempest AA48110-2Champion CH48110-1 |
| Oil | 10 Quarts | Phillips 66 X/C Aviation oil 20w50 |
| Camguard | 1 Pint |  |
| Oil Sample Test Kit | 1 |  |
| Copper Crush Washer 1.00 I.D.  | 1 | MS35769-21 or AN900-16 |

* Remove cowl and check for wear and hinges for security
* Visually inspect engine mounts
* **Warm engine to oil temp of 165 degrees**
* During engine warm up, listen for any unusual anomalies and run a mag check
* Check braking action under load
* Inspect for visible signs of hard landings
* Drain the oil
* Take a mid-stream oil sample for an oil analysis
* Remove sump screen, inspect and clean
* Re-install sump screen with new crush gasket. Torque to 300in/lbs and safety wire in place
* Remove oil filter, cut open and lay out media
* Pass a strong magnet over media looking for ferrous metal particles
* Install new oil filter, apply DC-4 or clean oil to the filter gasket, safety wire in place
* Visually inspect cylinders and engine for cracks, leaks, failed seals, etc.
* Visually inspect hoses, belts and engine accessories
* Visually inspect magneto exterior and spark plug leads
* Remove crankcase vent saddle. Clean and decoke. Reinstall and safety wire.
* Inspect engine baffles for wear, wrong orientation or cracks in metal components
* Visually inspect exhaust system for visible signs of leakage
* Physically check exhaust components for security
* Visually inspect prop and prop hub and spinner for wear, leaks, cracks or movement
* Check and adjust tire pressure
* Refill engine with oil & Camguard-- Fill to 6 quarts on dip stick.
* Insure aircraft is secure for a post oil change run-up
* Complete inspection for tools or any other foreign objects left in or around the engine
* Run up aircraft, check idle speed and idle mixture at shut down
* Check for leaks
* Re-cowl the engine and double check cowl security
* Clean all fingerprints and other signs of service from fuselage
* Reset engine timer in Stats Page of GRT EFIS.
* Make logbook entry stating service performed and parts and fluids added