

N9543E ASI Inspection Report

- Photographed aircraft (78 photos)
- Reviewed continuity of control surfaces and engine controls.
 - No issues found outside of damage caused by accident.
- Inspected fuselage and interior of the aircraft
 - No prior existing concerns to be noted.
 - Damage to both wings caused during collision with multiple tree tops and dead trees. Left wing damaged substantially worse than right
 - Rear tail wheel assembly broken fork to left side
 - Fuselage appears to be bent direction of front up, center down and back up. Aircraft appears to have lost forward momentum mostly landed mostly flat after collision with trees.
 - Bent spinner and cowling
 - ELT missing (Pilot stated removing)
 - Carb heat in "Off" position pilot said he pushed it back to off
 - Fuel Off position , pilot stated turning off
 - Mags off, key removed, by pilot
- Inspected engine and propeller
 - Propeller was found undamaged and no indication of power or rotation during crash
 - Inspected engine intake, fuel control, carb heat, compression(thumb test), freedom of rotation of engine, intake filter removed and inspection of carburetor intake conducted, top spark plugs inspected, fuel supply freely operating by gravity, and clean fuel sump noted (free of water and dirt) following issues were noted:
 - Rear left exhaust gasket partially blown out
 - Carb heat tubing not fully attached to carb intake box
 - Use of STC auto gas noted (added marvel mystery oil used) noted by residue found in carburetor intake plenum and verified by pilot)
 - Auto gas 87 ethanol free only fuel used
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