

ANALYTICAL ENGINE CHECK LIST & NOTES					
DATE	ENGINE MODEL	ENGINE SERIAL #	AIRCRAFT REGISTRATION	RMA / CASE #	FILE NUMBER
10/15/2024	IO550N68B	1012361	N469GB	N/A	2024-014

Engine Tear Down/Run Note

- Engine would not rotate so magneto timing couldn't be checked.
- The fuel pump turns freely and the coupling is in tact.
- The oil pump exhibited light scratches from metal contamination.
- Pieces of the conn rod (#4), bushings, and piston were found in the sump.
- Camshaft is broken between lobes 3 & 5. Internal timing couldn't be checked.
- The oil filter is full of ferrous and nonferrous metals.
- #4 Conn Rod detached from the crankshaft and pieces of it was found in the oil sump.
- Conn Rod bushings are broken, chipped, and migrating out of place on all remaining conn rods. (#1, 2, 3, 5, 6)
- The crankcase is busted in half from #4 conn rod detaching from the crankshaft. Induction tubes on the 2-4-6 side of the engine were bent and the induction manifold has a hole on the bottom from #4 conn rod detaching.
- Took a piece of #4 conn Rod to the lab on exhibit 1541 on 10-16-24.