

Lindberg Joshua

From: [REDACTED]
Sent: Friday, October 20, 2017 8:59 AM
To: [REDACTED]
Subject: Hawker Sea fury NX254SF Engine inspection.
Attachments: IMG_20171016_131707538.jpg; IMG_20171016_152321363.jpg; IMG_20171017_082504608.jpg; IMG_20171016_144134033.jpg; IMG_20171016_140857210.jpg

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Josh,

On October 16-17 I, with the help of Jeff Abbott and oversight of Steve Sheridan did an engine removal and inspection on a crashed Hawker. Upon inspection, the prop seemed in good shape, other than impact damage. The front nose case of the engine and prop shaft was also damaged in the impact. With the impact damage was unable to turn the engine. On removal I did not see anything out of the ordinary. The prop control, mixture control and throttle were free and connected. Removing the carb, everything seemed in order. Screen were clean and free of debris. Did find a few ounces of fuel in the lines, nothing looked suspicious. After engine was removed we removed the accessory drive shaft. This drives the blower, and all the gears directly from the crankshaft. With this out we could turn the blower and watch all the gear pads turn. All the gear drives turn free and easy. After nothing found we removed the two front distributors and drive pads. everything seemed to be in working order and gears were connected to the front cam drive. Next we removed the outlet oil screen and disassembled it, found absolutely no metal or foreign objects, We removed the front and rear sump plugs and screens and found no metal.

The fuel valve was broken out of the plane, so seeing where it actually was will be impossible. Everything I inspected seemed to be in working order. Couldn't pin point a cause. I'm hoping sending out the ignition system and carb will shed light on something. I believe the engine was in working order before impact. But in case we do not find any discrepancies with the accessories we can do a full tear down of the engine. Please keep me in the loop on what you find.

Billy Packard