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Subject: 2010 Flt Test Prgm - 30 Sailplane Engine Problem Still With Me

### *2010 Flight Test Program*

I was the first to arrive at the Planesmen's field at 6:30 a.m. this morning and it was really too early to fly. So I prepared the Sailplane for flight as shown below and waited for George Grant who arrived just before 7:00 a.m.



I started the McCoy 60, but again it was surging and running erratically just as before. It just would not needle for peak rpm. However, there were very few bubbles in the fuel line. George said he believed the engine was running worse than it had before. I tried changing the spark plug. I removed the line from the pressure fitting and ran a needle through the opening in the pressure fitting just to be sure it was clear. I cranked the engine with the fuel line off and the crankcase pressure did squirt fuel out of the line. It didn't seem to matter, the McCoy was not going to run in the Sailplane this morning.



When I got home I removed the McCoy 60 from its Sailplane mount. I checked the front and rear cover screws as well as the head screws on the engine. They were all tight. I have fixed everything but the damn problem. In an attempt to isolate this problem, my only recourse at this point is as follows:

(1) Pull the repro McCoy 60 that ran so well on Wednesday a week ago in the big Bomber during flight test and put it in the Sailplane. I will test run it in the Sailplane here at home if I can figure out some way to hold model while I am starting, running, and adjusting it. If it turns out that the repro McCoy 60 does run good in the Sailplane, then the problem has something to do with the original McCoy 60 itself.

(2) However, if the repro McCoy 60 does not run good in the Sailplane either, then the problem is something associated with the Sailplane.

(3) To complete these McCoy engine run tests, I will then put the original McCoy 60 in the big Bomber and also test run it here at home. If it runs good in the Bomber, the problem is definitely with something in the Sailplane. If it does not run good then the problem has something to do with the original McCoy 60 itself.

One way or the other, hopefully I can find the problem or at least the right combination that will permit me to fly the Sailplane. Needless to say I am beginning to wear down with all of this flight testing and trouble shooting as I am beginning to run short on time.....Tandy