



MEMORANDUM FOR RECORD

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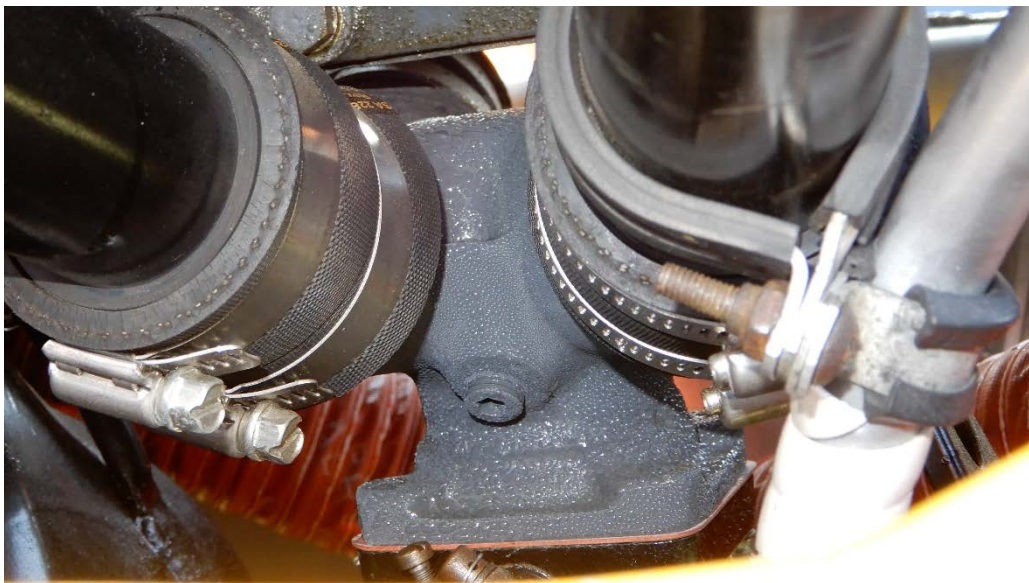
Subject: ERA18FA230 – Carburetor Icing Potential Test

A 1946 Piper Cub, N98246, with a Continental C90 engine was started up and then the fuel selector was moved to the OFF position. The engine operated for 31 seconds before the engine lost total power. "It did not stutter, it just lost power."

Then, the airplane was restarted and sat at idle power for about 5 minutes. After that time, the engine was shutdown and condensation was noted on carburetor and intake of the engine. At the time of the test, the temperature was 82.4° F and the dewpoint was 59°F.

The recorded weather about the time of the test at Plymouth Municipal Airport (PYM), Plymouth, Massachusetts, which was 8 miles to the southeast of the testing/accident location was:

METAR KPYM 261852Z AUTO 22009KT 190V250 10SM CLR 28/15 A3007



Picture 1. View on condensation on exemplar engine.