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Subject: CEN23LA099 Record of Examination

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A photo showed flames during the accident in two areas. The first area was beneath the engine, and the second area was near the right aft top side of the engine and the right forward fuselage. Examination of the engine compartment in the first area revealed that the engine air inlet manifold dropped to the ground during the fire, after the associated plumbing and the engine lower cowling gave way due to the fire. The fuel line leading to the carburetor was intact. The area above the carburetor exhibited soot consistent with lower combustion temperatures above a hotter area, which lacked soot and was around the carburetor bowl. Examination of the second area revealed a separated and thermally damaged engine primer line for the number three cylinder, which had 6 inches of the 8 inch length of the primer line consumed by fire. The remainder of the engine primer lines were intact. The area near the separated primer lined did not contain a relative amount of soot as that of the area removed from the separated primer line. Fire damage precluded determination of the fuel and ignition sources of the fire.