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Subject: Memorandum for the Record CEN25LA083
Landing Gear Examinations

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Functional landing gear extension and retraction examinations were performed after the accident. The checks were supervised by a FAA inspector and the NTSB IIC (virtual).

Summary:

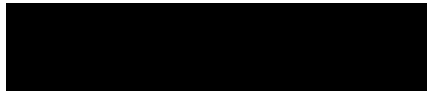
No mechanical defects were discovered during the examinations.

Details:

- The nose landing gear (NLG) doors were opened and the nose landing gear lowered without command or assistance. The doors had some binding attributed from the gear up landing. The doors were disengaged for further testing.
- All landing gears (mains and nose) were successfully raised and lowered utilizing the manual hand hand hydraulic pump. No binding of the NLG was noted, and retraction and extension was smooth. The cockpit NLG indicator functioned normally. The emergency lowering of the NLG also functioned properly.
- The NLG & main landing gears (MLG) were tested with the hand (manual) hydraulic pump: Up & down checks were successful with correct cockpit indications.
- The NLG was tested with low pressure hydraulics. Up & down checks were successful with correct cockpit indications.

- The NLG & MLG were tested with low pressure hydraulics: Up & down checks were successful with correct cockpit indications.
- The NLG was tested with high pressure hydraulics: Up & down checks were successful with correct cockpit indications.
- The NLG & MLG were tested with high pressure hydraulics: Up & down checks were successful with correct cockpit indications.

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NTSB Central Region