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Aircraft: N370NC AS350 B2
Subject: Damage assessment of the tail boom

This information was gathered during the examination of N370NC regarding the damage assessment of N370NC.

“Buckling of the lower portion of a semi-monocoque structure such as the tailboom is considered substantial damage since it adversely affects the structural strength and requires major repair or replacement. This type of damage is caused when the tail boom flexes downward relative to the fuselage and is typically seen with hard landing events. The forces necessary to cause the buckling are significant enough that it is highly unlikely to occur due to ground handling.”