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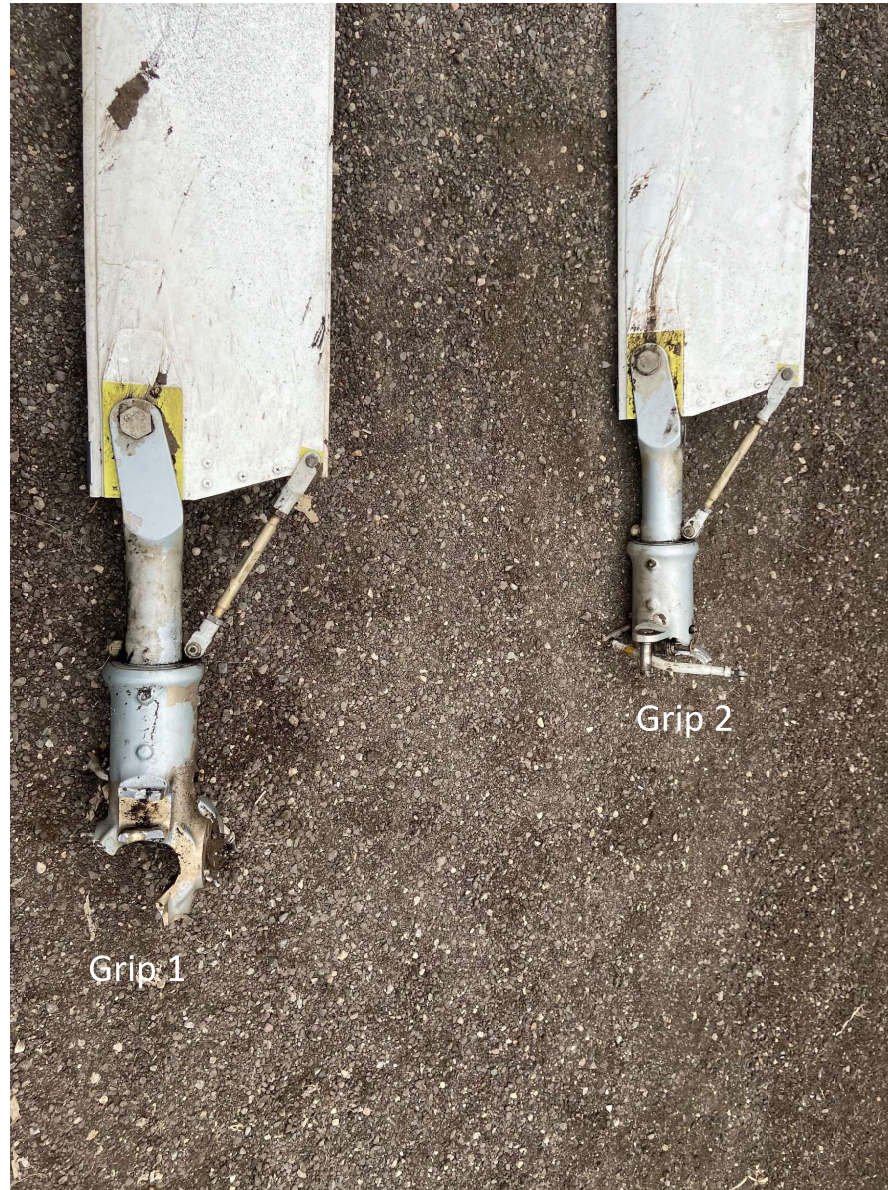
**Date:** June 13, 2024

**Subject:** CEN22LA318

**Contact:** Michael Budinski, Chief, Materials Laboratory, NTSB

A review of photos of the broken helicopter components was conducted by the Chief of the NTSB Materials Laboratory. He provided the following assessment:

"Based on the submitted photographic evidence, pieces from both main rotor blade grips exhibit features on the fracture faces consistent with progressive crack growth (fatigue crack growth) as documented in the attached file (CEN22LA318--Grip fractures)."



Grip 1

Grip 2

Remnant from Grip 1





Remnant from Grip 1

Remnant from Grip 1



Remnant from Grip 2

