



MEMORANDUM FOR RECORD

Instrument Examination

Peter Wentz
Air Safety Investigator
Eastern Region Aviation

Date: March 17, 2021
Instrument Examined: N266DC - Directional Gyro
NTSB Accident #: ERA21LA101

Examination Notes:

The Directional Gyro (DG) was examined at the NTSB Eastern Regional office on March 17, 2021.



Photograph 1 – Accident airplane - directional gyro.



Photograph 2 – Accident airplane - directional gyro outer case.



Photograph 3 – Accident airplane - directional gyro outer case.

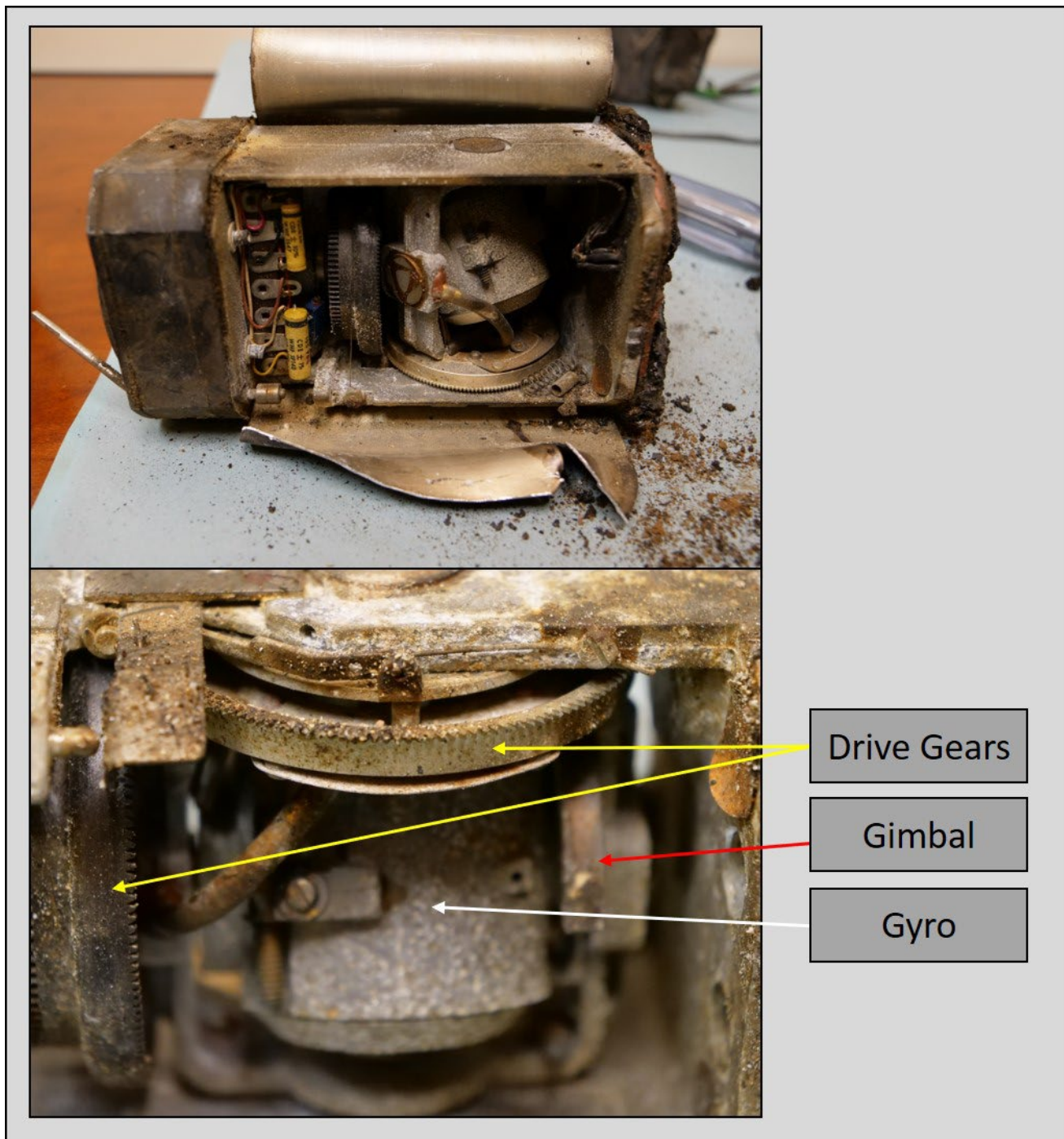


Figure 1 – Accident airplane - directional gyro inner mechanism.

The outer DG case was cut open exposing the inner gyro mechanism, drive gears and gimbal. The drive gears rotated freely within the case, and the gyro casing spun within the gimbal freely.



Photograph 4 – Internal gyro outer case.



Photograph 5 – Gyro

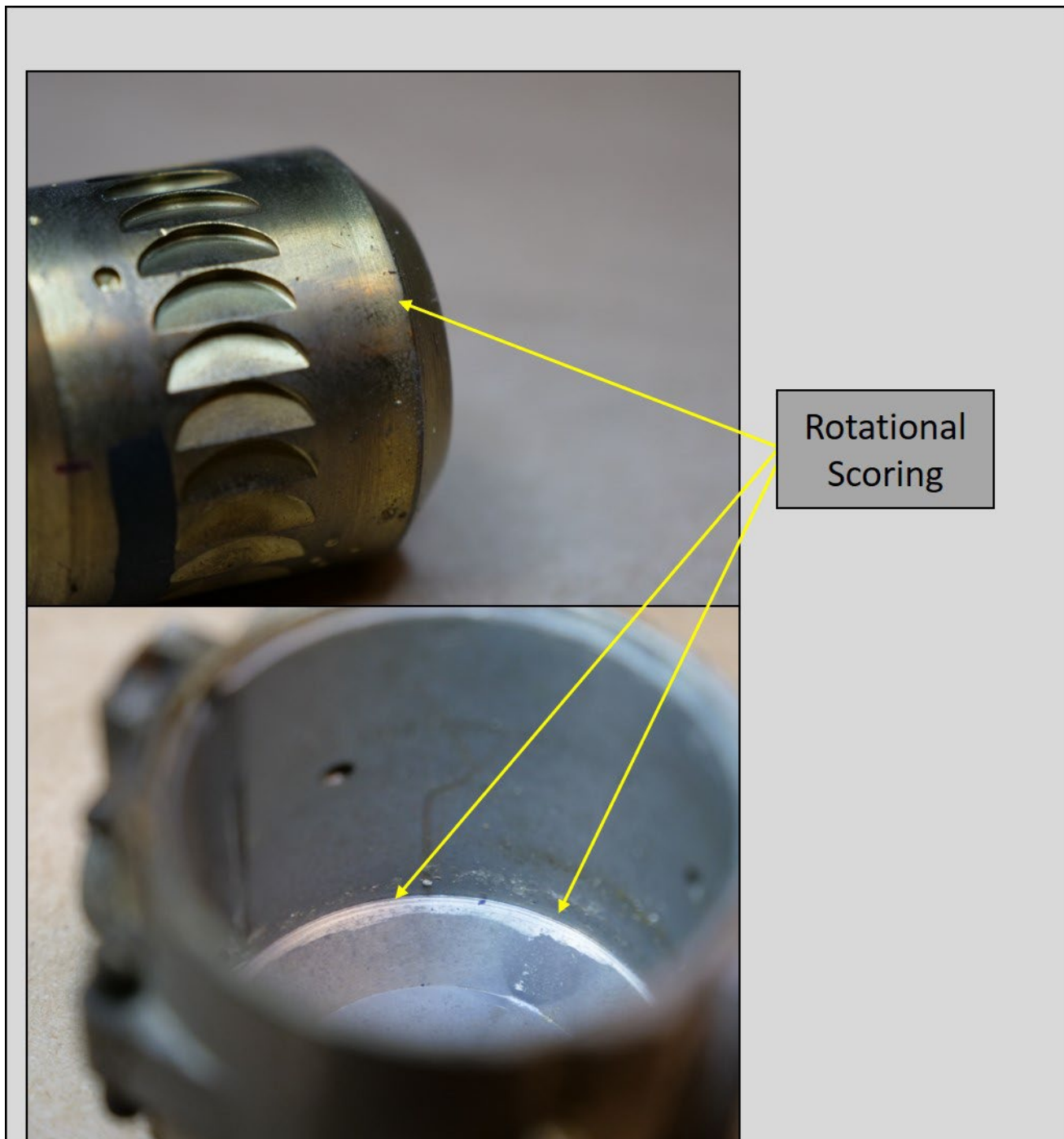


Figure 2 – Rotational Scoring witness marks.