

NATIONAL TRANSPORTATION SAFETY BOARD

Office of Research and Engineering
Materials Laboratory Division
Washington, D.C. 20594



November 19, 2019

MATERIALS LABORATORY FACTUAL ADDENDUM

Report No. 19-030B

A. ACCIDENT INFORMATION

Place : Honolulu, Hawaii
Date : August 8, 2018
Vehicle : MD Helicopters 369D, N369MH
NTSB No. : WPR18LA221
Investigator : Mike Huhn (AS-WPR) / Van McKenny (AS-40)

B. COMPONENTS EXAMINED

Tail boom and tail rotor transmission assembly, pitch control assembly, fork assembly, and hub assemblies.

C. DETAILS OF THE EXAMINATION

One of the inboard teeter bearings was removed from the accident fork assembly as described in Materials Laboratory Factual Report 19-030. This addendum to that report describes the removal of the other inboard teeter bearing from the accident fork assembly. To complete the disassembly of the remaining teeter bearing from the fork arm, the fork arm was heated with a heat gun while applying pressure to press the bearing out of the bearing seat, resulting in a separation of the bonded joint. A view of the separated inboard teeter bearing and the mating bearing seat in the fork assembly is shown in figure 1. A limited amount of gray adhesive material remained attached to both the bearing surfaces and the mating seat surfaces and appeared to have uneven coverage. Isolated areas of the adhesive appeared discolored to a yellow and brown color. No evidence of primer was observed on the bonded surfaces and no scrim cloth was present in the bonded joint.

Matthew R. Fox, Ph.D.
Senior Materials Engineer

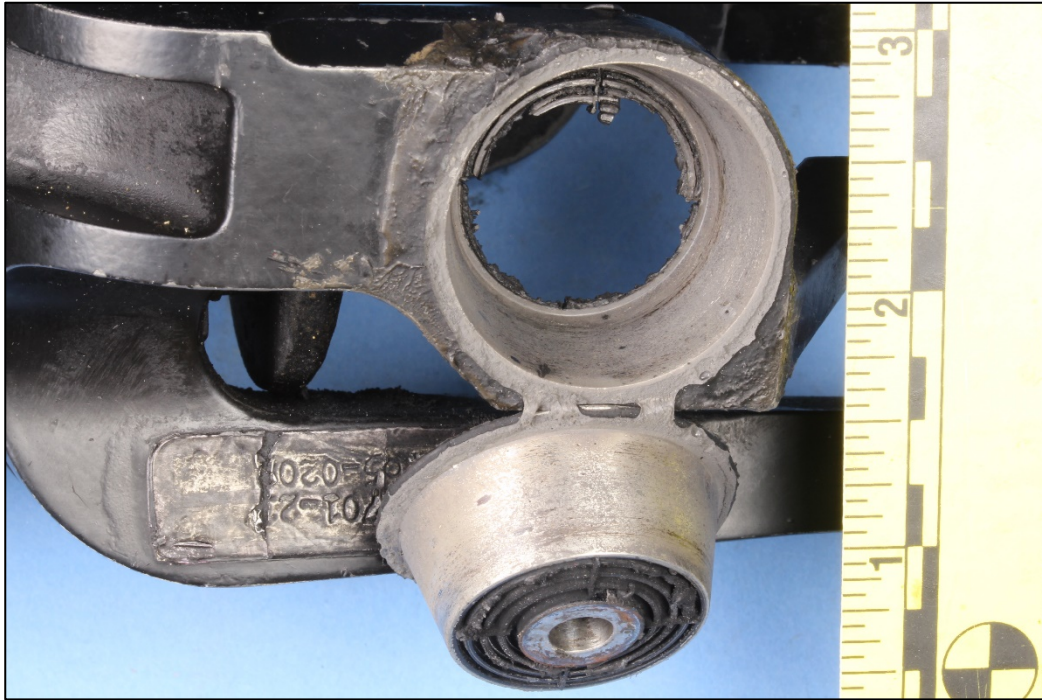


Figure 1. Inboard teeter bearing seat after the teeter bearing was removed. Gray adhesive covered the seat surface.