

PRESS RELEASES

Lambda Technologies Group

Preventing Fretting Fatigue in CFM56 Aero Engines

DID YOU READ April's cover story in *Aerospace Manufacturing and Design Magazine*? (Read it at www.magazineaerospacemanufacturinganddesign.com/issue/april-2019.)

Dr. Jayaraman, Director of Materials Research at Lambda, wrote how Low Plasticity Burnishing (LPB®) enhanced the fatigue strength of the dovetail edge of the first-stage high-pressure (HPC) blade in the CFM56 aero engine.

The CFM56 aircraft engines power more than 13,400 military and commercial aircraft worldwide. The historical maintenance data on

the CFM56 shows a tendency for fretting-induced micro-cracking in the dovetail edge of the first-stage high-pressure compressor (HPC) blade, posing a significant safety concern.

LPB is an FAA-accepted process for repair and alteration of the engine and structural aircraft components. If LPB is trusted to prevent fretting fatigue in thousands of commercial and military aircraft worldwide, imagine how it can improve the life and performance of your critical components. ●



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