



**ICARUS
AERO INC.**
Aviation Engineering

“Engineer, Build, Fly”

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Structures • Systems • Aerodynamics • Interiors • Composites • Avionics
 Drafting / CAD / design services • STC / SSTC / PDA / RDA approvals • DAO / DAR services



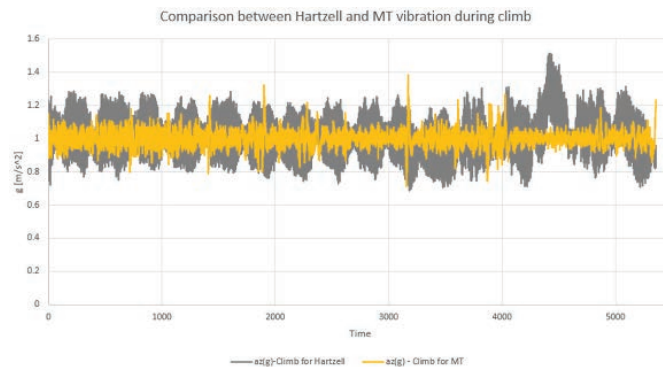
PROPELLER REPLACEMENT FOR BASLER DC-3

NEW: The ICARUS propeller replacement kit enables improved flight performance while reducing operating costs. The kit replaces the aluminum Hartzell blades with carbon composites that are lighter, provide better stability, and reduces vibration effects throughout the airframe. We offer the conversion kit as an STC'd kit for your maintenance team to install, or we can offer to do the installation via our partner Enterprise Airlines, at their facility in Oshawa Ontario. (www.enterpriseaviationgroup.com)



FEATURES

- Carbon composite construction blade with wood core;
- Reduction in weight of 56.4 lbs per propeller assembly (112.8 lbs total) – results in faster response times, less wear and tear on PT6 engines;
- Up to 3% improvement in fuel usage/cost;
- Provides smoother thrust capabilities, improved ground handling and better air stability/control ;
- 2.5% $g(m/s^2)$ reduction in vibration levels – improves operation of sensitive payloads e.g. survey equipment;
- No ground operation or airworthiness limitations;
- Transport Canada STC O-LSA20-139D (jointly owned by ICARUS & Enterprise)



Vibration performance obtained through our own instrumented flight tests

ABOUT ICARUS AEROSPACE

ICARUS Aerospace Services Inc. is a Transport Canada, F.A.A. and EASA approved design, certification and manufacturing organization that specializes in aircraft modifications, engineering services, special mission aircraft conversions, logistics support and integrated kit solutions. Facilities are located in Toronto. Contact us: info@iaero.ca for more information.