



Aero Technical Service Bulletin

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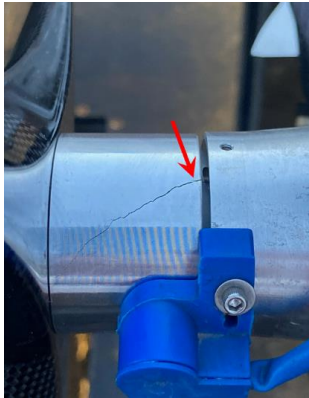
October 26, 2023

ATSB0001 B100 propeller hub cracking

Regarding the B100 propulsion unit, it is requested that all customers implement an inspection of the propeller hub as part of your pre-flight inspection. Cracking of the hub has been noticed on some engines after accruing 150 operational hours. At this time, it is assumed to be an issue only on engines with higher operational hours. This pre-flight inspection should be implemented on all B100 propulsion systems no matter the operational hours.

INSPECTION

Make certain the engine is disabled and hand rotate the propeller while inspecting the outer face of the propeller hub. The following image is an example of what to look for. The cracking typically originates on the engine side of the hub (where the red arrow is indicated below) and will progress toward the propeller side.



If cracking is visible on the propeller hub, the propulsion unit should NOT be started or operated until replacement can be coordinated.

Operating the engine with this issue may result in injury to the operators and/or damage of the propulsion system.

If cracking is discovered on your propeller hub or if you have any questions regarding this bulletin, please contact Jim Newton at Cobra-Aero directly for resolution.

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This issue is currently under investigation at Cobra-Aero and additional information will be forthcoming.