8100-2-23

# Memorandum

U.S. Department
of Transportation

Federal Aviation
Administration

Subject: INFORMATION: FAR 23.361 Policy Regarding Loads Due To Engine Stoppage, Memo Dated 4/4/96

Date: JUL 02 1996

From: Manager, Standards Office, ACE-110

Reply to Attn. of:

To: Manager, Special Certification Branch, ANM-190S
Seattle Aircraft Certification Office

This is in response to your memorandum requesting policy and guidance to determine limit engine torque imposed by sudden engine stoppage. This question has not been previously presented to the Small Airplane Directorate. A review of regulatory requirements on this issue results in the following guidance, 14 CFR part 33, § 33.23, engine mounting attachments and structure; indicate: (a) The maximum allowable limit and ultimate loads for engine mounting attachments and related engine structure must be specified; (b) The engine mounting attachments and related engine structure must be able to withstand: (1) The specified limit loads without permanent deformation; and (2) The specified ultimate loads without failure, but may exhibit permanent deformation. This information is provided in the respective Engine Manufacturers Installation Manual.

The maximum engine mounting attachment and related engine structure loading information, as specified in the Manufacturers Installation Manual, satisfy the limit engine torque load imposed by sudden engine stoppage due to malfunction or structural failure (such as a compressor jamming). This requirement is defined by 14 CFR part 23, § 23.361(b)(1).

If you have any additional questions, please contact Mr. Tim Smyth at (816) 426-6941

Original Signed By
John R. Colomy

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