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# UNITED STATES DEPARTMENT OF THE INTERIOR AVIATION MANAGEMENT

## Safety Alert

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**Subject:** Quest Kodiak Fuel Indication Malfunction

**Area of Concern:** Kodiak Flight Operations

**Distribution:** All Kodiak Users

**Discussion:** On April 19, 2012, Quest Aircraft Company issued a warning concerning Electric Fuel Quantity Indicators on some Kodiak 100 aircraft. Quest discovered that some fuel indicators may display an inaccurate fuel quantity on the G1000 Engine Indicating Crew Alert System (EICAS) page due to possible calibration errors. The EICAS display could falsely indicate useable fuel remaining when the actual remaining usable quantity is zero. This problem could result in fuel mismanagement and ultimately contribute to a mishap.

Quest is developing an updated calibration procedure to address this issue and a Mandatory Service Bulletin will be issued in the near future. In the mean time, **DO NOT RELY ON THE ELECTRIC FUEL QUANTITY INDICATORS.** Quest issued the following warning:

April 19, 2012

### WARNING TO ALL CUSTOMERS AND OPERATORS

Quest has recently discovered that the Electric Fuel Quantity Indicators on some KODIAK® 100 aircraft can display inaccurate fuel quantities on the G1000 Engine Indicating Crew Alert System (EICAS) page due to possible calibration errors during the manufacture of the aircraft. The EICAS display could show fuel remaining in the wing tanks when in fact the remaining usable quantity is zero. This could result in fuel exhaustion that could cause serious injury or death. Quest is actively developing an updated calibration procedure to address this; a Mandatory Service Bulletin on this subject will be issued in the near future.

In the meantime, Quest recommends that you do NOT rely on the Electric Fuel Quantity Indicators. Rely instead on the other fuel quantity indication and management systems available on the KODIAK 100, such as the Direct Reading Fuel Quantity Indicators, the Wing Tank Low Warning System, the Reservoir Fuel Low Annunciator, etc. Details of these supplemental systems may be found in Section 7-19 of POH/AFM revisions IR through 9 and Section 7-16 of POH/AFM revisions 10 and following. **Do not rely on the Electric Fuel Quantity Indicators until Quest has resolved the issue and communicated appropriate service instructions via the above-referenced pending Mandatory Service Bulletin, and full compliance with those instructions has been carried out.** This applies to all stages of operation, from pre-flight planning through flight preparation and execution.

If you have any concerns, do not fly the aircraft.

**Subject:** Kodiak Fuel Indication Malfunction

Kodiak operators should use alternative methods as their primary means of fuel management. Please contact AMD Technical Services at (208) 433-5076 if you have any questions related to this matter.



*/s/ Keith C. Raley*

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