



## EASA Safety Information Bulletin

**SIB No.:** 2009-01  
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**Subject:** Jet Fuel containing FAME (bio-diesel)

**Ref. Publication:** None.

**Description:** This SIB is published to inform all owners and operators of turbine powered aircraft about potential problems due to contamination of jet fuel with Fatty Acid Methyl Ester (FAME).

Due to the implementation of "Directive 2003/30/EC of the European Parliament and of the Council of 8 May 2003 on the promotion of the use of bio-fuels or other renewable fuels for transport" in the EU member states, diesel fuel containing FAME (also known as bio-diesel) has been introduced and is distributed by transportation means like pipelines, ships, tank vehicles etc. that may be also used for the distribution of jet fuel.

Specific characteristics of FAME (surface active, sticking on metal or glass surface) increase the risk of contamination of jet fuel with FAME in the distribution system from the refinery to the aircraft.

**Jet A-1 fuel containing 5 mg/kg (5 ppm w/w) FAME or more does not comply with approved fuel specifications (e.g. DEF STAN 91-91) and should not be used, unless specifically allowed by airframe/engine TC holders in their Instructions for Continued Airworthiness.**

Owners and operators of aircraft who become aware that the fuel contains 5 mg/kg FAME or more are advised to:

- inform the airframe/engine TC holder and request further instructions
- inform the National Aviation Authority or EASA (for informing EASA use the EASA Form 44 Technical Occurrence Report (see [www.easa.europa.eu/ws\\_prod/g/doc/Contact/Form%2044%20Technical%20Occurrence%20Report%20Form.doc](http://www.easa.europa.eu/ws_prod/g/doc/Contact/Form%2044%20Technical%20Occurrence%20Report%20Form.doc)))

**Applicability:** All aircraft powered by turbine engines. Aircraft powered by diesel piston engines are not affected.

**Contact:**

For further information contact the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA.  
E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).

Additional information can be found in Joint Inspection Group Bulletins No. 15, 16 and 21, which can be viewed or downloaded at <http://www.jointinspectiongroup.org>; and CAA United Kingdom SRG FODCOM 22/2008, 47/2008 and 50/2008, which can be viewed or downloaded at <http://www.caa.co.uk/>.

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