

SUPPLEMENT O09
TO THE AIRPLANE FLIGHT MANUAL
DA 40 NG
OPERATION WITH D64-9028-11-01 FUEL PUMPS

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This supplement to the DA 40 NG Airplane Flight Manual is approved in accordance with the Canadian Aviation Regulations.

Signature

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Authority

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Transport Canada Civil Aviation
Aircraft Certification Branch

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: November 26, 2024

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0.1 RECORD OF REVISIONS

Rev. No.	Reason	Chapters	Page(s)	Date of Revision	Approval Note	Date of Approval	Date Inserted	Signature
1	Improved wording for required use of fuel anti-icing additives during operation.	2	9-O09-8	15-May-2023	Rev. 1 of AFM Supplement O09 DOT approved under MÄM 40-1119/a.	18-May-2023		
2	Definition of fuel anti-icing additives Additive updated	2	9-O09-8	16-Jan2024	Rev. 2 of AFM Supplement O09 DOT approved under MÄM 40-1188	29-Apr-2024		
3	Latest updated standard No. 3 Jet Fuel (China, GB 6537-2018)	2	9-O09-8	30-Sept-2024	Rev. 3 of AFM Supplement O09 DOT approved under MÄM 40-1112	26-Nov-2024		



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1. GENERAL

No change.

2. OPERATING LIMITATIONS

2.14 FUEL

OPERATION WITH ANTI-ICING FUEL ADDITIVES

The following is amended to read:

The following fuel system icing inhibitor (FSII) additive is required for operation at ambient temperatures below 5°C (41°F).

Diethylene glycol monomethyl ether (DiEGME) conforming to ASTM D4171 Type III or MIL-DTL-85470B.

Concentration limits: min. 1000 ppm
 max. 1500 ppm

CAUTION

The use of DiEGME fuel additive is only permitted with JET A, JET A-1 (ASTM D 1655) and JP-8 (F34).

Use of the following fuel grades is prohibited at ambient temperatures below 5°C (41°F):

TS-1 (Russia, GOST 10227-86)
TS-1 (Ukraine, GSTU 320.00149943.011-99)
RT (Russia, GOST 10227-86)
RT (Ukraine, GSTU 320.00149943.007-97)
No. 3 Jet Fuel (China, GB 6537-2018)

CAUTION

JP-8 (F34) fuel is supplied with the required FSII additive. This should be considered when mixing fuel grades.

NOTE

The instructions of the fuel additive supplier must be followed.

3. EMERGENCY PROCEDURES

No change.

4A. NORMAL OPERATING PROCEDURES

No change.

4B. ABNORMAL OPERATING PROCEDURES

No change.

5. PERFORMANCE

No change.

6. MASS AND BALANCE

No change.

7. DESCRIPTION OF THE AIRPLANE AND ITS SYSTEMS

No change.

8. AIRPLANE HANDLING, CARE AND MAINTENANCE

No change.

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