


Aircraft Design Certification GmbH Reichensteinstr.48 69151 Neckargemünd		Bristell B23	Doc-Nr: ADxC-73-SB-042 Issue: A Date: 01.02.2024 DC-Nr.: ADxC-DC-73-114
Service Bulletin: Fuel grade UL91 avoidance			

Amendments

Issue	Reason	Date
A	Initial issue	01.02.2024

<p>Bristell B23</p> <p>Strong advice to avoid using fuel grade UL91 on Bristell B23 with Rotax 912.</p>
--

STANDARD

0 General

0.1 ATA Code

ATA 73 ENGINE - FUEL AND CONTROL – Fuel grade

0.2 Effectivity

Affected aircraft: all Bristell B23 TCDS EASA.A.642 with Rotax 912.

1 Planning information

1.1 Reason

Several occurrences were reported of significant reduction of power during full throttle or high MAP airborne operation. An investigation revealed that the affected aircraft at different geographical locations/airports were operated with fuel grade UL91. Aircraft operated with other approved fuel grades did not report such occurrence.

As immediate action, it is strongly advised against using UL91 fuel grade.

Further fleet observation, data and material analyses and flight test may lead to further airworthiness instructions and subsequent revision of this Service Bulletin.


1.2 Safety Intent

The safety intent is to prevent the potential unsafe condition.

The potential unsafe condition is significant power reduction and engine vibrations during take-off and initial climb.

1.3 Configuration Description

-

Aircraft Design Certification GmbH Reichensteinstr.48 69151 Neckargemünd		Bristell B23	Doc-Nr: ADxC-73-SB-042 Issue: A Date: 01.02.2024 DC-Nr.: ADxC-DC-73-114
Service Bulletin: Fuel grade UL91 avoidance			

1.4 Compliance

If criteria in Section 0 is met

- Service bulletin must be accomplished
 - This SB could be made mandatory by an EASA AD.
 - This SB is mandatory as per EASA AD no. _____
- Service bulletin recommended to be accomplished to prevent significant operational disruptions
- Service bulletin to introduce improvements
- Service bulletin for convenience or option

1.5 Approval statement

The technical content of this document is approved under the authority of the DOA ref. EASA. 21J.411.

1.6 Concurrent publications N/A

1.7 Manpower N/A

1.8 Weight and Balance N/A


1.9 Electrical load data N/A

1.10 Software modification N/A

1.11 Referenced documentation

Name	Issue	Titel
ADxC-73-001-AFM	B4	AFM B23 912
ADxC-73-070-AFM	A3	AFM B23-912 G500

1.12 Other publications effected N/A

Aircraft Design Certification GmbH Reichensteinstr.48 69151 Neckargemünd		Bristell B23	Doc-Nr: ADxC-73-SB-042 Issue: A Date: 01.02.2024 DC-Nr.: ADxC-DC-73-114
Service Bulletin: Fuel grade UL91 avoidance			

2 Material information

2.1 Material- cost – availability N/A

2.2 Company support information

Affected publications and parts can be ordered from

BRM AERO, s.r.o.

Address: Letecká 255 686 04 Kunovice Czech Republic

Phone: + 420 773 984 338

E-mail 1: info@brmaero.com

E-mail 2: aero.brm@gmail.com

Web: <http://www.brmaero.com>

Affected documentation can be downloaded from


<https://www.bristell.com/technical-documentation/>

For the latter login credentials must be ordered form BRM Aero, s.r.o.

2.3 Material requirements per aircraft N/A


2.4 Rework parts N/A

2.5 Special tooling N/A

Aircraft Design Certification GmbH Reichensteinstr.48 69151 Neckargemünd		Bristell B23	Doc-Nr: ADxC-73-SB-042 Issue: A Date: 01.02.2024 DC-Nr.: ADxC-DC-73-114
Service Bulletin: Fuel grade UL91 avoidance			

3 Accomplishment/Instructions

- It is strongly advised against using UL91 fuel grade on Bristell B23 with Rotax 912 engine.
- Use approved fuel (see AFM Chapter 2.13) with minimum 95 Octan, preferably 98 Octan (Super plus).
- Inform all operators of the aircraft to follow this recommendation.
- As visible interim information it is recommended to print a label and add a placard next to the fuel filler neck: “advised against use of UL91”
- Add the AFM inlay as provided in Appendix of this SB.

Aircraft Design Certification GmbH Reichensteinstr.48 69151 Neckargemünd		Bristell B23	Doc-Nr: ADxC-73-SB-042 Issue: A Date: 01.02.2024 DC-Nr.: ADxC-DC-73-114
Service Bulletin: Fuel grade UL91 avoidance			

4 Appendix



Ref. ADxC-73-SB-042

**It is strongly advised against
using fuel grade UL91**

Use approved fuel (see AFM Chapter 2.13) with minimum
95 Octan, preferably 98 Octan (Super plus) or AVGAS
100LL.

Document No.: ADXC-73-001-AFM	Non-approved page	Revision: 0
Document No.: ADXC-73-070-AFM		Date of Issue: 01.02.2024