



Miscellaneous

No: 1525

Air Navigation Order 2016

Publication date: 11 February 2022

### General Exemption E 5645

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## Exemption to allow Certain Aircraft to use Unleaded Avgas UL 91

### Background

- 1) This General Exemption replaces previous Exemption 947 with regard to the use of unleaded Avgas UL 91 in certain aircraft, subject to certain conditions.

### Interpretation

- 2) In this Exemption,
  - a) the "Order" means the Air Navigation Order 2016 (as amended)
  - b) the "CAA" means the Civil Aviation Authority.

### Exemption

- 3) The CAA, in exercise of its powers under Article 266 of the Order, exempts, subject to paragraph 5 below, the aircraft set out in Schedule 1 below with the engines as specified in that Schedule, from the requirement at Article 33(1) of the Order to comply with the conditions of its Certificate of Airworthiness (including the flight manual).
- 4) The CAA, in exercise of its powers under Article 266 of the Order, exempts, subject to paragraph 5, the aircraft set out in Schedule 1 below with the engines as specified in that Schedule, from the requirement at Article 41(3)(a) of the Order to comply with the conditions of its Permit to Fly.
- 5) The exemptions at paragraphs 3 and 4 only apply in relation to any such condition that prohibits the use of unleaded AVGAS UL 91 and to the extent that it does so. All other conditions remain in full force and effect.
- 6) This exemption supersedes Official Record Series 4 No. 947, which is revoked.

**Date in Force**

- 7) This exemption has effect from the date it is signed until revoked.

MD Shortman

for the Civil Aviation Authority

11 February 2022

**Schedule 1**

- 1) Unleaded Avgas UL 91 is permitted for use in certain aircraft and engines that meet one of the following conditions:
- a) The aircraft is already approved for operation with Avgas 100LL (according to ASTM D910, Def Stan 91-90, Mil-G-5572, GOST1012-72 or equivalent) and the engine manufacturer has deemed the use of unleaded Avgas UL 91 acceptable by means of Service Instruction or other published service information.
  - b) The airframe/engine combination is already approved to use unleaded Mogas RON 95 (MON 85) in accordance with Standard EN228:2008, or 80/87 Avgas provided that the engine does not require TEL for lubrication.
  - c) The aircraft is a microlight aeroplane within the definition of Schedule 1 of the Air Navigation Order 2016, having in force a valid Permit to Fly issued by the Authority or is conducting flight trials under an appropriate permission for the purposes of obtaining a Permit to Fly as a microlight aeroplane.