

RotorSport UK Ltd

Poplar Farm, Prolley Moor, Wentnor, Bishops Castle, Shropshire, SY9 5EJ

Service Information Letter

SIL-019

Issue: 2

Dated: 26.08.15

CCAR no: None

The purpose of this document is to communicate information that may be of benefit to pilot owners of RotorSport aircraft. If there is any clarification required of the content of the letter, contact RSUK on 44(0)1588 650769, or email info@rotorsport.org. Document completed iaw BP 2.20.

Aircraft type & model applicability:

Aircraft serial numbers affected:

MT-03, MTOsport, Calidus, Cavalon, Cavalon Pro

All

Subject: Rotax engine oil

Safety effect:

No effect

Weight and CG effect:

No effect

Background:

BRP-Powertrain GmbH & CO KG have recently published a revised service instruction "Selection of suitable operating fluids for Rotax engine type 912 i, 912 and 914 (series). SI-912-016R8 and SI-914-019R8 refer to the Rotax engine types used in RotorSport gyroplanes.

Discussion:

In Section 3) of the Rotax service bulletin recommendations regarding selection of engine oil are made. Specifically, Aeroshell Oil Sport Plus 4 of new formulation (which is supplied in a red-coloured bottle) is stated as the only oil that has been tested and released from BRP-Powertrain.

Recommendation:

Owners of RotorSport gyroplanes should follow the Rotax recommendations by using only Aeroshell Oil Sport Plus 4 (new formulation) and ensuring that the oil is changed in accordance with Rotax maintenance requirements.

Owners of the 914-series turbocharged engines should take particular care in cooling the engine after flight, as required by the Rotax Operators Manual.

References:

Rotax SI-912-016R8 and SI-914-019R8 as described above

Approval Statement:

'The technical content of this document is approved under the authority of the UK CAA Design Organisation Approval Ref: DAI/9917/06'

Effect on Pilots Handbook or Maintenance Manual:

Oil tank placards (as shown in the various Pilots Handbooks) are to be amended to allow Aeroshell Oil Sport Plus 4. Revised placards will be available to existing owners to enable replacement – see below.

Oil recommendations described in the various Aircraft Maintenance Manuals to be amended on publication of next issue.

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**Oil tank
Capacity 3 ltrs.
Use Shell VSX or
equivalent Motorcycle
oil SF or SG**

Remove

**OIL TANK CAPACITY
3 LTRS.**

USE AEROSHELL OIL SPORT
PLUS 4 OR EQUIVALENT IN
ACCORDANCE WITH BRP ROTAX
SERVICE INSTRUCTIONS

Replace

SIL authorised by:

Quality Conformance Manager	Engineering Manager	Chief Test Pilot (if flight performance or safety effect)	Head of Airworthiness or CVE (where required)
Name: G Speich	Name: G Shaw	Name:	Name:
Signature and date:	Signature and date:	Signature and date: Not required	Signature and date: