SERVICE INFORMATION

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KODIAK RESEARCH LTD. NASSAU, BAHAMAS

USE OF 100 LL IN ROTAX 912 SERIES ENGINES

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(A) INTRODUCTION
THIS INFORMATION IS INTENDED TO ASSIST THE AIRCRAFT DESIGNER, MANUFACTURER AND BUILDER/OPERATOR TO ACHIEVE CORRECT OPERATING CONDITIONS AND ASSEMBLY FOR THE ENGINE AND CONSEQUENTLY OPTIMUM PERFORMANCE AND RELIABILITY.

(B) TECHNICAL DATA AND GENERAL INFORMATION
IN ADDITION TO THIS INFORMATION PLEASE REFER TO:
- OPERATORS MANUAL
- ENGINE DATA SHEET
- POWER, TORQUE AND FUEL CONSUMPTION CURVES
- SPARE PARTS LIST
- ENGINE INSTALLATION MANUAL
- MAINTENANCE MANUAL 912F

IMPORTANT INFORMATION

SUBJECT
The use of 100 LL with synthetic oil as addressed in Technical Bulletin 912-13 "Motor Oil for ROTAX 912 series" calls for a change from fully synthetic oil when AVGAS must be used.

REASON
ROTAX 912 engines using the combination of AVGAS 100 LL with full synthetic oil may experience excess sludge build up. This issue is specifically addressed in ROTAX technical bulletin 912-13.

COMPLIANCE
It is recommended that all ROTAX 912 engines be in compliance with technical bulletin 912-13, and in addition follow these recommendations.

RECOMMENDATION
1. ROTAX recommends to change from the combination of AVGAS 100 LL with full synthetic oil on engines which have been used for a period of time, into a good mineral base oil and to change the oil as well as the oil filter 25 hours after the first use of mineral base oil. Careful inspection of the oil filter after the first 25 hours should be conducted to check for signs of sludge contamination within the filter itself. Based on this, the operator can then decide on the continued frequency of oil changes.
2. Mineral oil has already been tested at the factory under various conditions. Oil specifications for the ROTAX 912 can be found in the Operator's Manual and Technical Bulletin 912-13.

WARNING!
FAILURE TO COMPLY WITH THIS RECOMMENDATION COULD RESULT IN ENGINE DAMAGE AND PERSONAL INJURY OR DEATH!