

652 Oliver Street
Williamsport, PA 17701 U.S.A.
717/323-6181

SERVICE INSTRUCTION

DATE: January 25, 1980 Service Instruction No. 1397
Engineering Aspects are
FAA (DER) Approved

SUBJECT: Overflow Oil From Breather Fitting of Inverted Oil System

MODELS AFFECTED: All AEIO-320, -360 and -540 Aerobatic series engines.

TIME OF COMPLIANCE: Every 300 hours of operation.

Reports have been received from the field of oil being exhausted overboard through the breather fitting on the above mentioned engines. The loss of oil in this manner could cause the engine to be inoperative in a short period.

The loss of oil from the breather fitting could be caused by a series of aerobatic maneuvers performed in rapid sequence without enough normal flight to allow the oil to drain from the oil separator back to the

engine oil sump. Also loss of oil from the breather could be caused by an excessive amount of residue in the oil separator and oil line.

As a means of forestalling any problems that may arise from residue in the inverted oil system, it is recommended that the oil system be disconnected from the engine and flushed with a petroleum solvent, such as varsol, every 300 hours of operation, or at anytime there is evidence of oil being discharged from the breather fitting.