

# UNAPPROVED PARTS NOTIFICATION



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

SUSPECTED UNAPPROVED PARTS PROGRAM OFFICE, AVS-20  
13873 PARK CENTER ROAD, SUITE 165  
HERNDON, VA 20171

*UPNs are posted on the Internet at <http://www.faa.gov/avr/sups/upn.cfm>*

No. 2004-00146  
June 13, 2005

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Mailed by: FAA, AIR-140, P.O. Box 26460, Oklahoma City, OK 73125

## **AFFECTED PRODUCTS**

Aircraft propellers.

## **PURPOSE**

The purpose of this notification is to advise all aircraft owners, operators, manufacturers, maintenance organizations, and parts distributors regarding improper maintenance performed on aircraft propellers.

## **BACKGROUND**

Information received during a Federal Aviation Administration (FAA) investigation revealed that between January 1999 and November 2003, Oxford Aviation Services, Limited, d/b/a CSE Aviation (CSE), located at Oxford Airport, Kidlington, Oxford, OX5 1RA, United Kingdom, overhauled and approved for return to service various aircraft propellers contrary to the Regulations. Oxford Aviation Services, Limited, holds FAA Air Agency Certificate No. CB5Y773M.

Evidence indicates that CSE approved propellers for return to service that were not overhauled in total compliance with the methods, techniques, and practices prescribed in the current manufacturers' maintenance manuals. Specifically, CSE failed to complete certain required inspections and special processes. Discrepancies included (1) failing to perform all required dimensional piston inspections and (2) failing to repeat shot-peening of hub retention areas.

CSE has attempted to notify its customers through recall letters; however, some of the propellers could not be located. Attached is a *partial list* of propellers that may have been overhauled and approved for return to service.

## **RECOMMENDATIONS**

Regulations require that type-certificated products conform to their type design. Aircraft owners, operators, maintenance organizations, and parts distributors should inspect their aircraft, aircraft records, and/or parts inventories for any propeller work accomplished between January 1999 and November 2003 by Oxford Aviation Services, Limited, d/b/a CSE Aviation. If any propellers are installed on aircraft, appropriate action should be taken. If any propellers are found in existing inventory, it is recommended that the propellers be quarantined to prevent installation until a determination can be made regarding each propeller's eligibility for installation.

## **FURTHER INFORMATION**

Further information concerning this investigation and guidance regarding the above-referenced propellers can be obtained from the FAA International Field Office given below. In addition to the above recommendations, the FAA would appreciate any information concerning the discovery of the propellers from any source, the means used to identify the source, and the action taken to remove the propellers from service.

This notice originated from the London International Field Office, PSC 801 Box 63, FPO AE 09498-4063, telephone +44(0)208-754-8819, fax +44(0)44-208-754-8826; and was published through the FAA Suspected Unapproved Parts Program Office, telephone (703) 668-3720, fax (703) 481-3002.

## PARTIAL LIST OF IMPROPERLY OVERHAULED AIRCRAFT PROPELLERS

Work Order Number	Part Number	Serial Number
Y04216	2A34C209	010522
Y03294	2A36C23-P-E-G	761063
Y03923	2D34C215-B	808006
Y04087	3A32C406-C	870695
Y04653	3A32C406-C	901189
Y02248	3AF32C507	830998
Y05072	3AF32C508-C	890018
Y05073	3AF32C509-B	814111
Y03757	3AF32C515	942101
Y04941	3AF32C515	942101
Y03756	3AF32C515	942106
Y04942	3AF32C523	020312
Y02575	3FF32C501A	807030
Y04279	3FF32L501-A	757134
Y04813	3FF34C501A	961655
Y03474	4HFR34C762-H	940651
Y03475	4HFR34C762-H	941528
Y02387	5JFR36C1003	930291
Y02386	5JFR36C1003	930294
Y04495	B2D34C213B	851122
Y03404	B2D34C213-B	931938
Y01682	B2D34C214-A	800359
Y04595	B2D34C214-B	7710604
Y02632	B3D32C419	930644
Y04825	B3D32C419-C	950588
Y04137	B3D36C432-C	992420
Y02965	BHC-C2YF-1BF	AM2854
Y04467	D2A34C58-NO	745446
Y04621	D2A34C98-0	7810684
Y03855	D2AF34C81-0	772113
Y01748	D3A32C409	881583
Y04597	HC-A2VK-1	J1153
Y03647	HC-A6A-3A	GP135
Y02767	HC-B3TN-5FL	BU3382
Y02768	HC-B3TN-5FL	BU3540
Y04443	HC-B3TN-5FL	BVA7770
Y04444	HC-B3TN-5FL	BVA7771
Y04351	HC-B4MP-3A	FWA3270
Y04352	HC-B4MP-3A	FWA3732
Y04465	HC-B4MP-3A	FWA3760
Y04466	HC-B4MP-3A	FWA3761
Y03605	HC-B4MP-3B	FW284
Y03604	HC-B4MP-3B	FW351
Y04535	HC-B4TN-S	CDA3529M1
Y04534	HC-B4TN-S	CDA5047M1
Y02124	HC-C2YK-1BF	CH17551
Y03704	HC-C2YK-1BF	CH28190
Y03141	HC-C2YK-1BF	CH29976

Y05056	HC-C2YK-1BF	CH3730B
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Y04471	HC-C2YK-1BF	DK669
Y02769	HC-C2YK-2CUF	AU3968
Y02770	HC-C2YK-2CUF	AU822
Y03686	HC-C2YK-2CUF	AU9312B
Y04891	HC-C3YR-2LUF	CH4488A
Y04892	HC-C3YR-2UF	CK4263A
Y04900	HC-E2YL-2BSF	BG2122
Y04061	HC-E2YL-2BSF	BG3363
Y04062	HC-E2YL-2BSF	BG434
Y04901	HC-E2YL-2BSF	BG4557
Y04126	HC-E2YL-2BTF	CJ514
Y04898	HC-E2YR 2RBSF	BP3287
Y02120	HC-E2YR-1BF	DK1068
Y04375	HC-E2YR-1BF	DK155
Y04899	HC-E2YR-2RBSF	BP9158
Y04123	HC-E4A-3J	HJ1213
Y03667	HC-E4N-3	HH43
Y04770	HC-F2YR-1F	CM535
Y04874	HC-I3YR-1RF	HK127A
Y03959	PHC-C3YF-1RF	EE1369
Y04175	PHC-C3YF-2UF	EB171
Y04174	PHC-C3YF-2UF	EB173
Y03788	PHC-C3YF-2UF	EB1977
Y03787	PHC-C3YF-2UF	EB1978