

Authorised Release Certificate EASA Form 1

1. Approving Competent Authority/Country Irish Aviation Authority Ireland	2. Form Tracking Number <p style="text-align: right; margin-right: 50px;">8700</p>		
4. Approved Organization Name and Address Lufthansa Technik Airmotive Ireland	Lufthansa Technik Airmotive Ireland Ltd. Naas Road, Rathcoole, Co. Dublin, Ireland Telephone + 353 1 401 1111 Fax + 353 1 401 1320		
6. Item 1	7. Description Fan Disc	8. Part No. 335-014-511-0	9. Eligibility(*) CFM56
	10. Quantity 1	11. Serial/Batch No. J145077	12. Status/Work OVERHAULED

13. Remarks: Life Details: TSN: 21825 CSN: 25938 TSO: 0 CSO: 0

Inspected and Repaired iaw CFMI Engine Shop Manual CFMI-TP-SM 5 Rev.64. Chapter 72-21-03. and FAA 14 CFR 43.13(a), 43.13(b) and/or 43.13(c).
 FAA-AD 2002-13-03 complied with. AD:2001-04-06 Complied with.
 SB:72-497 R3 n/a to s/n. SB:72-854 R3 Complied with.
 Note: Life Details quoted are based on last operator supplied data.

Details of work accomplished on the above unit are maintained on file at this Facility under L.T.A.I. Work Order No: 56-3B1-L6-724675V01.

Return to Service in Accordance with CFR 43.9
 This civil aeronautical product has been maintained, altered or modified (as appropriate) in accordance with U.S. Code of Federal Regulations under FAA Certificate No. MEDZ393G

14. Certifies that the items identified above were manufactured in conformity to: <input type="checkbox"/> approved design data and are in condition for safe operation <input type="checkbox"/> non-approved design data specified in block 13	19. <input checked="" type="checkbox"/> Part-145.A.50 Release to Service <input checked="" type="checkbox"/> Other Regulations specified in block 13 Certifies that unless otherwise specified in block 13, the work identified in block 12 and described in block 13 was accomplished in accordance with Part-145 and in respect to that work the item(s) are considered ready for release to service.
15. Authorised Signature:	20. Authorised Signature:
16. Approval / Authorisation Number:	21. Certificate / Approval Reference No.: <p style="text-align: center; font-size: 1.2em;">IE.145.006</p>
17. Name:	22. Name: C. J. Collins 23. Date: (d/m/y) 09-Feb-2010

(*) Installer must cross-check eligibility with applicable technical data

**AUTHORISED RELEASE CERTIFICATE - EASA FORM 1
USER / INSTALLER RESPONSIBILITIES**

Note: 1.) It is important to understand that the existence of the document alone does not automatically constitute authority to install the part/component/assembly.
 2.) Where the user/installer works in accordance with the national regulations of an Airworthiness Authority different from Airworthiness Authority specified in block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority specified in block 1.
 3.) Statements 14 and 19 do not constitute installation certification. In all cases the aircrafts maintenance record shall contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.


29 August 2009

NON-ACCIDENT / NON-INCIDENT STATEMENT

Based on Philippine Airlines aircraft records, we confirm that the following component was installed on PAL-operated B737-300 aircraft / CFM56-3B engine:

Item	Description	Part Number	Serial Number	ESN/TSN/CSN
1	Fan Disk, Stage 1	335-014-511-0	J145077	724-675 21824:47H/ 25938C

Furthermore, we confirm that these components were not involved in any accident/incident while installed on the aircraft during PAL operation and were not procured from any US government or military source.


By **ARNULFO T. AGAN**
Vice President
Aircraft Engineering Department
Philippine Airlines

ESN = 724675

ENGINE CONFIGURATION LISTING

PAGE 1

ENGINE TYPE = CFM56-3-B1 DELIVERY DATE = 05/14/90 REPORT GENERATED 05/24/90

ETSN = 00000 ECSN = 00000 AIRLINE = PR

IIN	PSN	PART NUMBER	NOMENCLATURE	PTS	PCSN	CYCLE LIMIT
21X	21X24675	335-041-105-0	FAN&BOOSTER MOD	00000	00000	
21X	J1392467	335-009-305-0	SPOOL BOOSTER	00000	00000	25000
217	RT01540	335-009-805-0	SEAL, ROT AIR	00000	00000	
21X	21X24675	335-011-207-0	RTR, FAN STG 1	00000	00000	25000
214	RT03176	335-009-903-0	CONE, REAR SPINR	00000	00000	
215	RT01894	335-011-207-0	BLADE, FAN STG 1	00000	00000	
21A	MAA75225	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75226	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75232	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75243	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75305	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75307	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75484	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75485	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75486	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75487	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75488	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75489	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75491	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75492	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75493	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75494	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75495	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75498	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75499	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75500	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75501	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75503	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75504	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75505	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75509	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75523	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75627	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75628	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75629	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75631	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75636	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75638	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75639	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75641	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75642	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75643	9527M99P09	BLADE, FAN STG 1	00000	00000	
21A	MAA75727	9527M99P09	BLADE, FAN STG 2	00000	00000	
21A	MAA75741	335-002-305-0	BLADE, FAN STG 2	00000	00000	
21C		335-002-407-0	BLADE, FAN STG 3	00000	00000	

ENGINE NAME				OUTGOING INFORMATION				INCOMING INFORMATION (Fill in on Engine Removal)			
CFM56-3B1	SERIAL NO.	DATE RELEASED	TSN	CSN	TS/SV	CS/SV	DATE RECEIVED	FROM/AC NO/POS	ENGINE TSN/CSN AT REML	TS/SV -5230:01/6376	INCOMING STATUS
OPERATOR	Phil. Airlines	07 May 93	4984:27	6169	-	-	09 Oct 95	ET-BZX/RE	10214:28/12545		
ITEM NO	PART DESCRIPTION	PART NO	SERIALNO	LIMIT	OUTGOING STATUS	ORIGIN	TSN	CSN	RMKG		
211	Spool Booster	335-009-306-0	J139267	3000 CYC	4984	6169	23831	Original	10214	12545	17455
213	Disk, Fan Stg. 1	335-014-511-0	J145077	3000 CYC	4984	6169	23831	"	10214	12545	17455
221	Shaft, Fan	335-006-414-0	R008869	3000 CYC	4984	6169	23831	"	10214	12545	17455
312	Shaft - HPCR	1275M37P01	GWNV7277	2000 CYC	4984	6169	13831	"	10214	12545	7455
313	Spool Stg. 1-2	9992M0G07	GWNAM538	2000 CYC	4984	6169	13831	"	10214	12545	7455
314	Disk Stg. 3 HPC	9940M55P18	GWNCC937	2000 CYC	4984	6169	13831	"	10214	12545	7455
315	Spool Stg. 4-9	1319M25P01	GWNAM539	2000 CYC	4984	6169	13831	"	10214	12545	7455
316	Seal Air HPCR	1319M25P01	GWNAM4697	2000 CYC	4984	6169	13831	"	10214	12545	7455
521	Shaft Forward HPT	1385M90P01	GWNV8624	2000 CYC	4984	6169	13831	"	10214	12545	7455
522	Seal Air HPT	1282M72P03	GWNV5320	2000 CYC	4984	6169	13831	"	10214	12545	7455
525	Disk HPT	1475M29P01	MPOBR029	18500 CYC	4984	6169	12331	"	10214	12545	7455
526	Shaft Rear HPT	9514M71P04	DED22108	25000 CYC	4984	6169	18831	"	10214	12545	7455
542	Disk Stg. 1, LPT	301-331-124-0	R013623	25000 CYC	4984	6169	18831	"	10214	12545	7455
543	Disk Stg. 2, LPT	301-331-224-0	R0146102	25000 CYC	4984	6169	18831	"	10214	12545	7455
544	Disk Stg. 3, LPT	301-331-321-0	R011792	25000 CYC	4984	6169	18831	"	10214	12545	7455
545	Disk Stg. 4, LPT	301-331-425-0	J146138	25000 CYC	4984	6169	18831	"	10214	12545	7455
546	Sprt. Conc., LPT	305-056-112-0	R012610	17400 CYC	4984	6169	11231	"	10214	12545	17455
551	Shaft - LPT	301-330-067-0	FOO1908	30000 CYC	4984	6169	23831	"	10214	12545	17455
552	Shaft Stub - LPT	301-330-624-0	RO13216	25000 CYC	4984	6169	18831	"	10214	12545	12455
							Revision I - 05 Aug 94 due to		Life Limited Component Parts		
							Life limitation per CFM56-3B1		Shop Manual Rev. 86 dated		
							01 Aug 93 and PAL Maintenance		Requirements Rev. 14 dated 15 July 94		

This certifies that the above data are complete and correct:

PAL 106
 ROLANDO G. GABITO
 Inspector - EOIS

PAL 106
 NOTED BY: RUBEN P. ALMAZAN
 Supervisor - EOIS

CERTIFIED & UPDATED
 H. C. MONTEZ
 ATRS

7455
 Hon

ENGINE BUILD LOGSHEET

III-07-2001 Due to Items 515 S/N Corr. 27 Nov, 03

ENGINE NAME				OUTGOING INFORMATION				INCOMING INFORMATION				CURRENT STATUS				
CFM56-3B1 OPERATOR	SERIAL NO.	DATE RELEASED	TSN	CSN	TSLSV	CSLSV	DATE REMOVED	CSN	B1 CSN	B2 CSN	FROM A/C NO./POS	CURRENT TSN/CSN	ORIGIN	TSN	CSN	RMING
Philippine Airlines	724-675	28 Oct 2000	16374:38	20008	6160:10	7463	27 Dec 03				E1-0211 PWS	TSN: 21625 / CSN: 21638	reused	21625	21638	4062
ITEM NO.	PART DESCRIPTION	PART NO.	SERIAL NO.	CYC LIMIT		STATUS AT TIME OF INSTALLATION		BIRTHING		CURRENT STATUS						
				B1	B2	TSN	CSN	B1 CSN	B2 CSN	B1 RING	B2 RING	ORIGIN	TSN	CSN	RMING	
211	Spool Booster	335-009-306-0	J139267	30000	30000	16375	20008	20008	0	9992	9992	reused	21625	21638	4062	
213	Disk Fan Stage 1	335-014-511-0	J145077	30000	24800	16375	20008	20008	0	9992	8293	reused	21625	21638	4062	
221	Shaft Fan	335-006-414-0	R008869	30000	30000	16375	20008	20008	0	9992	9992	re-used	21625	21638	4062	
312	Shaft, HPCR	1275M37P02	GWNN022N1	20000	20000	0	0	0	0	20000	20000	New	5450	5430	14070	
313	Spool Stage 1 - 2	1589M66G02	GWNN0234P	20000	20000	0	0	0	0	20000	20000	New	5450	5430	14070	
314	Disk Stage 3 HPC	1590M59P01	GWNN02330	20000	29000	0	0	0	0	20000	20000	New	5450	5430	14070	
315	Spool Stages 4 - 9	1590M29G01	GWNN023CP	20000	20000	0	0	0	0	20000	20000	New	5450	5430	14070	
316	Seal Air-HPCR	1319M25P02	GFFR8PME	20000	18000	0	0	0	0	20000	18000	New	5450	5430	14070	
521	Shaft Forward HPT	1385M90P04	XAE35393	20000	17300	0	0	0	0	20000	17300	New	5450	5430	14070	
522	Seal Air HPT	1282M72P05	GWNN0203K	20000	15800	0	0	0	0	20000	15800	New	5450	5430	14070	
525	Disk HPT	1475M29P02	GWNN021F5	20000	18500	0	0	0	0	20000	18500	New	5450	5430	14070	
526	Shaft Rear HPT	9514M71P07	TMTMS608	25000	20000	0	0	0	0	25000	20000	New	5450	5430	14070	
542	Disk Stage 1 LPT	301-331-126-0	BB213514	20000	20000	0	0	0	0	20000	20000	New	5450	5430	14070	
543	Disk Stage 2 LPT	301-331-227-0	BB329691	20000	20000	0	0	0	0	20000	20000	New	5450	5430	14070	
544	Disk Stage 3 LPT	301-331-322-0	BB411790	25000	25000	0	0	0	0	25000	25000	New	5450	5430	14070	
545	Disk stage 4 LPT	301-331-429-0	DB142213	25000	25000	0	0	0	0	25000	25000	New	5450	5430	14070	
546	Support Conical LPT	305-056-116-0	J222063	25000	25000	6161	7463	7463	0	17537	17537	reused	1611	15933	14070	
551	Shaft LPT	301-330-067-0	F001908	30000	30000	16375	20008	20008	0	9992	9992	reused	21625	21638	14062	
552	Shaft Stub LPT	301-330-626-0	DA727893	20000	25000	0	0	0	0	25000	25000	New	5450	5430	14070	
Reference: GE CFM56-3B ESM Chapter 05-11-00 Rev. 50 dated 15 May 2000																
LTP - S 810011A																
This certifies that the above data are complete and correct: ROLANDO G. GABITO SR INSPECTOR-ESIS(QM12)																
NOTED BY: RUBEN B. ALMAZAN SECT. MGR-ESIS (QM12)																
CERTIFIED AND UPDATED CARLIK N. LACENA																