

1. Approving National Aviation Authority / Country FAA / United States		2. AUTHORISED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking No. FAA / PP / 12 / 203		
4. Organization Name and Address: South African Airways Technical, Jones Road, OR Tambo Airport, Kempton Park, 1627, South Africa.		Repair Station No. DW5Y820M		5. Work Order, Contract or Invoice Number. 1059036		
6. Item	7. Description	8. Part No.	9. Eligibility*	10. Qty.	11. Serial / Batch No.	12. Status / Work.
1	1 W JT9D-7F HIGH PRESSURE COMPRESSOR	803712	N/A	1	B89542-35	INSPECTED
13. Remarks: HIGH PRESSURE COMPRESSOR DISASSEMBLED, INSPECTED AND ASSEMBLED I.A.W. OHM 770408 72-35-00 DISASSEMBLY / ASSEMBLY 01. FAA AD 2012-04-15 CARRIED OUT ON REAR SHAFT.						
14. Certifies that the items identified above were manufactured in conformity to		19. <input checked="" type="checkbox"/> 14 CFR 43.9 Release to service <input type="checkbox"/> Other Regulation specified in Block 13		21. Approval / Certificate Number: DW5Y820M		
<input type="checkbox"/> Approval design data and are in a condition for safe operation <input type="checkbox"/> Non-approval design data 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 Title 14, Code of Federal Regulations, part 43 and in respect of that work, the items are approved for return to service.		23. Date: (mmm dd, yyyy) Jun 11, 2012		
15. Authorised Signature:		16. Approval / Authorisation No.:		20. Authorized Signature: A SWANEPOEL		
17. Name (Typed or Printed):		18. Date: (mmm dd, yyyy)		22. Name (Typed or Printed): A SWANEPOEL		
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country 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 of the country specified in block 1. Statements in block 14 and 19 do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						
User / Installer Responsibilities *(Optional. Installer must cross check eligibility with applicable technical data.)						

JT/14
REV : JUL/88(1)

SOUTH AFRICAN AIRWAYS - ENGINEERING
OVERHAUL & MAINTENANCE PLANNING POWER PLANT
JT9D-7F ENGINE WORKSCOPE SUMMARY

PAGE
1 OF 2

ENGINE No.	689570	<i>REV. HRS/CYCL CORRECTION</i>				DATE REM.	2001-09-03
W/O. :	1059036					JOB REF.	1059036
EX A/C.	ZS-SPA					POS. #	3
T.S.N.	49892	C.S.N.	10069	T.S.L.S.V.	8892	C.S.L.S.V.	1742

REASON FOR REMOVAL : Engine failed boroscope

MODULE AND COMPONENT HISTORY

MODULE	S/N	T.S.N.	C.S.N.	T.S.O.	C.S.O.	TASK	T.S.T	C.S.T.
A.C.R.	85600-31	UNK	UNK	8892	1742	LEV 3	8892	1742
L.P. COMPRESSOR	A85608-32	69633	15101	8892	1742	LEV 3	8892	1742
FAN CASE	85707-33	64806	13281	8892	1742	LEV 3	8892	1742
INTERMEDIATE CASE	85667-34	67281	13870	8892	1742	LEV 3	8892	1742
H.P. COMPRESSOR	B89542-35	50166	10322	8892	1742	LEV 3	8892	1742
DIFFUSER CASE	85787-41	71324	14589	8892	1742	LEV 3	8892	1742
H.P. TURBINE	C89525-51	55513	11004	8892	1742	LEV 3	8892	1742
L.P. TURBINE	D85608-52	60610	13406	8892	1742	LEV 3	8892	1742
EXHAUST CASE	89550-53	50543	10359	8892	1742	LEV 3	8892	1742
MAIN GEARBOX	F89542-61	75075	17069	16476	3421	VISUAL	8892	1742
A.G.B.	E89533-62	39638	8016	8892	1742	LEV 3	8892	1742
Q.E.C.	QEC89518-71	UNK	UNK	8892	1742	LEV 3	8892	1742
COMPONENT	S/N	T.S.N.	C.S.N.	T.S.O.	C.S.O.			
COMB. CHAMBER INNER LINER	VW1732	UNK	UNK	8892	8892	Pratt & Whitney		
COMB. CHAMBER OUTER LINER	AJNBAH5281	8892	1742	N/A	N/A			
FAN HUB	2Y8757	1742	CYCLES SINCE SHOTPEEN					
DESCRIPTION	T.S.N.	C.S.N.	T.S.I.	C.S.I.				
1ST STAGE TURBINE BLADES	8892	1742						
2ND STAGE TURBINE BLADES	8892	1742						
3RD STAGE TURBINE BLADES			8892	1742				
4TH STAGE TURBINE BLADES			8892	1742				
5TH STAGE TURBINE BLADES			8892	1742				
6TH STAGE TURBINE BLADES			8892	1742				
DESCRIPTION	T.S.N.	C.S.N.	T.S.I.	C.S.I.				
1ST STAGE N.G.V's			8892	1742				
2ND STAGE N.G.V's			8892	1742				
3RD STAGE N.G.V's			8892	1742				
4TH STAGE N.G.V's			8892	1742				
5TH STAGE N.G.V's			8892	1742				
6TH STAGE N.G.V's			8892	1742				

COMPRESSOR AND TURBINE DISC HISTORY

ENGINE S/No.	689570		TOTAL TIME		AVAILABLE TIME		LIFE LIMIT	
DESCRIPTION	PART No.	SERIAL No.	HOURS	CYCLES	HOURS	CYCLES	HOURS	CYCLES
1st STG COMPRESSOR DISC	778631	2Y8757	65301	14432		568		15000
2nd STG COMPRESSOR DISC	705602	1B3324	35675	7295		7705		15000
3rd STG COMPRESSOR DISC	644803	2A2047	52358	10930		4070		15000
4th STG COMPRESSOR DISC	669704	1A5038	52358	10930		4070		15000
5th STG COMPRESSOR DISC	669605	8A2261	52220	10557		4443		15000
6th STG COMPRESSOR DISC	671906	1Y9444	60104	12784		2216		15000
7th STG COMPRESSOR DISC	718207	G50837	57595	11342		3658		15000
8th STG COMPRESSOR DISC	794908	8Z3827	61624	12395		2605		15000
9th STG COMPRESSOR DISC	794909	5B3995	51372	10196		4804		15000
10th STG COMPRESSOR DISC	704210	5Y1022	8892	1742		13258		15000
11th STG COMPRESSOR DISC	670911	6Z8544	59303	12182		2818		15000
12th STG COMPRESSOR DISC	675512	3Y7075	62702	12692		2308		15000
13th STG COMPRESSOR DISC	675513	4Y7243	27282	6456		8544		15000
14th STG COMPRESSOR DISC	789614	4Z5455	56607	11308		3692		15000
15th STG COMPRESSOR DISC	788815	S26905	20172	3952		11048		15000
1st STAGE TURBINE DISC	825601	1B8054	51402	10533		4467		15000
2nd STAGE TURBINE DISC	706942	S36046	26434	5014	3566	9986	30000	15000
3rd STAGE TURBINE DISC	752503	4Y8238	52930	10714		4286		15000
4th STAGE TURBINE DISC	752504	3B0203	55046	11615		3385		15000
5th STAGE TURBINE DISC	769925	ALDLA33944	8892	1742		13258		15000
6th STAGE TURBINE DISC	714906	4B7941	37765	7334		7666		15000
1ST TURBINE AIRSEAL	735907	AKLBFC0392	8892	1742		18258		20000
2ND TURBINE AIRSEAL	678520	EJ4615	44400	9215		5785		15000
6TH TURBINE AIRSEAL	811260	A436AA0502	20172	3952		11048		15000

REMARKS :

GT/256 APPLICABLE : YES/NO

GT/16 APPLICABLE : YES/NO

COMPILED BY :

K. DU TOIT



APP STAMP :



DATE: 2012-04-24



US Department of Transportation
Federal Aviation Administration

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark	Serial No.		
	Make	Model	Series	
2. Owner	Name (As shown on registration certificate)		Address (As shown on registration certificate)	
	Address		City _____ State _____	
	City		Zip _____ Country _____	
	Zip		Country	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input type="checkbox"/>	AIRFRAME	_____	(As described in Item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT	PRATT & WHITNEY	JT9D - 7F	HPC B89542-35
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name <u>South African Airways Technical</u>		<input type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
Address <u>Jones Road; O R Tambo International Airport</u>		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City <u>Kempton Park</u> State <u>Gauteng</u>		<input checked="" type="checkbox"/> Certificated Repair Station	DW5Y820M
Zip <u>1627</u> Country <u>South Africa</u>		<input type="checkbox"/> Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual 	2012-06-11
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is Approved Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. DW5Y820M	Signature/Date of Authorized Individual 	2012-06-11
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Non Incident/Accident Report Request.

JT9D-7F (HPC)
ESN: 689570 (B89542)
TSN: 49892 (50166)
CSN: 10069 (10322)

To Quality Assurance

HPC, S/n B89542 was installed new, in new ESN 689542, at Factory.

ESN:	Date:	Eng. Hrs/Cycl.	HPC. Hrs/Cycl.
689542	1976-10-25	0/0	0/0 Installed.
689542	1980-05-08	9718/2508	9718/2508 Removed.
689525	1980-08-14	UNK/UNK	9718/2508 Installed.
689525	1981-08-18	UNK/UNK	12739/3143 Removed.
689570	1981-12-09	12465/2890	12739/3143 Installed.
689570	2001-09-03	49892/10069	50166/10322 Eng. Removed.

According to our History Cards, refer attached, this HPC was never involved in an incident or accident while maintained by SAA. (Maintained by SAAT since arrival on ESN. 689542, ZS-SAP). We also declare that the supplied Total Hours and Total Cycles are correct.

Power Plant Documentation

K. du Toit

Signature

Stamp

2012-04-25

Kobus Kotze
Senior Manager

Signature

Stamp

2012-04-25

Quality Assurance

File
J. Luchtenstein
Senior Manager

Signature

Stamp

2012-04-25

Non Incident/Accident Report Request.

JT9D-7F (HPC)
ESN: 689570 (B89542)
TSN: 49892 (50166)
CSN: 10069 (10322)

To Quality Assurance

According to our History Cards, refer attached, this Engine was never involved in an incident or accident while maintained by SAA. (Maintained by SAAT since arrival on ZS-SAP). We also declare that the supplied Total Hours and Total Cycles are correct.

Power Plant Documentation

K. du Toit

Signature

Stamp



2012-04-25

Quality Assurance

For
J. Luchtenstein
Senior Manager

Signature

Stamp



2012-04-25

Kobus Kotze
Senior Manager

Signature

Stamp



2012-04-25