



WILLIAMS INTERNATIONAL

2280 W. MAPLE RD., P.O. BOX 200, WALLED LAKE, MI 48390-200 USA

CERTIFICATION OF CONFORMANCE

Williams International (WI) certifies that the engine identified below by part number, model number and serial number has successfully completed acceptance testing in accordance with ATP 59624. W.I. Also certifies that this engine conforms to the FAA type certificate and type certificate data sheet, with any exceptions noted below, and is in a condition for safe operation in accordance with the published operational limits.

Part Number: 56000 **Serial Number:** 105444

Item Description: Turbo-Fan Engine

Model number: FJ44-2A

FAA Type Cert No: E3GL

Exceptions: NONE

Authorized Signature

Paul B. Kelly

Date:

8/2/08

FJ44-2A TURBOFAN ENGINE
ACCEPTANCE TEST PERFORMANCE SUMMARY
WILLIAMS INTERNATIONAL CO., L.L.C.

Eng P/N: 56000	Eng S/N: 105444	Eng Bld: 1	Test Date: 08/01/08
Prog Ver: CP173.04	Date: 06/04/02	Acq Ver: CP169.03	Date: 06/15/00
Bellmouth -	Sn: 9314	Cd: 0.987	Dia: 18.80
ATP Doc: 59624 Rev.E	Exh Noz: icn10462	Thrust Tare: 1.0	Test Cell 05
Fuel Type: JETA	Oil Type: mobil jet 2	Pc1: 2.0010	Pc2: 2.0230
LHV: 18621	Spec Grav: 0.7901	Temp Slope: 0.00040800	Dir: 0808011657

ELECTRONIC MODE

TAKEOFF THRUST @ 85 deg PLA (+/- 2 deg., Uncorrected, Uninstalled)

PARAMETER	ACTUAL	ALLOWABLE	DEVIATION
Measured N1	17185 rpm	17106 (min) (fig 5)	0
Recovered FN	1733.4 lbf	1658.8 (min) (fig 6)	0.0
		1741.8 (max)	0.0
ECU TT2 (CED_TT2)	95.6 F	N/A	N/A
ECU Pamb (CED_P0)	12.460 psia	N/A	N/A

PERFORMANCE @ 17800 rpm N1 (Referred to Sea Level, Static, 72F Dry Day, Uninstalled)

PARAMETER	ACTUAL	ALLOWABLE	DEVIATION
Referred ITT	1823 R	1880 (max)	0
Referred FN	2434.7 lbf	N/A	N/A
Referred WA	69.8 lbm/sec	N/A	N/A
Referred N2	39805 rpm	N/A	N/A

PERFORMANCE @ 2339 lbf RATED THRUST (Referred to Sea Level, Static, 72F Dry Day, Uninstalled)

PARAMETER	ACTUAL	ALLOWABLE	DEVIATION
Referred SFC	0.495 lbm/hr/lbf	0.522 (max)	0.000
Referred N1	17564 rpm	N/A	N/A

GROUND IDLE THRUST

PARAMETER	ACTUAL	ALLOWABLE	DEVIATION
Recovered FN	125.2 lbf	140.0 (max)	0.0

ACCELERATION TIME

PARAMETER	ACTUAL	MAX ALLOWABLE	DEVIATION
Corrected Time	5.5 seconds	5.7 (fig 14)	0.0
Inlet Temp.	97.1 F	N/A	N/A
Test Cell Pressure	12.495 psia	N/A	N/A

MECHANICAL SYSTEMS PERFORMANCE (Steady-State)

PARAMETER	ACTUAL	ALLOWABLE	DEVIATION
Max Main Oil Temp	213.1 F	275.0	0.0
Min Main Oil Press	39.2 psig	35.0	0.0
Max Main Oil Press	62.9 psig	90.0	0.0

FJ44-2A TURBOFAN ENGINE
ACCEPTANCE TEST PERFORMANCE SUMMARY
WILLIAMS INTERNATIONAL CO., L.L.C.

Eng P/N: 56000-104	Eng S/N: 105444	Eng Bld: 1	Test Date: 08/01/08
Prog Ver: CP205.00	Date: 04/02/01	Acq Ver: CP169.03	Date: 06/15/00
Bellmouth -	Sn: 9314	Cd: 0.987	Dia: 18.80
ATP Doc: 65563 Rev.NC	Exh Noz: ICN10462	Thrust Tare: 0.0	Test Cell 05
Fuel Type: JETA	Oil Type: mobil jet 2	Pc1: 2.0010	Pc2: 2.0230
LHV: 18621	Spec Grav: 0.7901	Temp Slope: 0.00040800	Dir: 0808010839

MECHANICAL MODE

TAKEOFF THRUST (Referred to Sea Level, Static, 72F Dry Day, Uninstalled)

PARAMETER	ACTUAL	MIN ALLOWABLE	DEVIATION
Referred N1	16544 rpm	N/A	N/A
Referred FN	1996.4 lbf	1884.0 (fig 10)	0.0

IDLE N2 SPEED PLA in idle detent (17.5 +/- 2 deg)

PARAMETER	ACTUAL	MAX ALLOWABLE	DEVIATION
Measured N2	23174 rpm	24315 (fig 11)	0
Inlet Temp.	97.5 F	N/A	N/A
Test Cell Pressure	12.515 psia	N/A	N/A

ACCELERATION TIME

PARAMETER	ACTUAL	MAX ALLOWABLE	DEVIATION
Corrected Time	3.3 seconds	5.7 (figure 14)	0.0
Inlet Temp.	97.6 F	N/A	N/A
Test Cell Pressure	12.515 psia	N/A	N/A

MECHANICAL SYSTEMS PERFORMANCE (Steady-State)

PARAMETER	ACTUAL	ALLOWABLE	DEVIATION
Max Main Oil Temp	216.3 F	275.0	0.0
Min Main Oil Press	36.0 psig	35.0	0.0
Max Main Oil Press	62.1 psig	90.0	0.0

FJ44-2A TURBOFAN ENGINE
ACCEPTANCE TEST PERFORMANCE SUMMARY
WILLIAMS INTERNATIONAL CO., L.L.C.

Eng P/N: 56000	Eng S/N: 105444	Eng Bld: 1	Test Date: 08/01/08
Prog Ver: CP173.04	Date: 06/04/02	Acq Ver: CP169.03	Date: 06/15/00
Bellmouth -	Sn: 9314	Cd: 0.987	Dia: 18.80
ATP Doc: 59624 Rev.E	Exh Noz: icn10462	Thrust Tare: 1.0	Test Cell O5
Fuel Type: JETA	Oil Type: mobil jet 2	Pc1: 2.0010	Pc2: 2.0230
LHV: 18621	Spec Grav: 0.7901	Temp Slope: 0.00040800	Dir: 0808011657

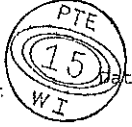
VIBRATION SURVEY (PEAK LEVELS)


PARAMETER	ACTUAL	MAX ALLOWABLE	DEVIATION
Max 1E HP rad vib	0.23 ips @ 39650 rpm	0.85	0.00
Max 1E LP rad vib	0.18 ips @ 15475 rpm	0.37	0.00
Max 1E LP tan vib	0.35 ips @ 15474 rpm	1.00	0.00
Max OA Rear Mt rad vib	0.19 ips @ 15598 rpm	2.50	0.00

PARAMETER	ACTUAL	ALLOWABLE	DEVIATION
Oil Consumption	<u>0.008</u> gal/hr	0.023 (max)	<u>0.0</u>
Engine Dry Weight	<u>504.5</u> lbm	510.5 (max)	<u>0.0</u>

TOTAL ENGINE RUN TIME 4:44

TOTAL ENGINE CYCLES 8.45

ENGINEERING Derrick M. [Signature]  Date 8/2/08

Q. A. Paul B. Kelly  Date 8/2/08

FJ44-2A TURBOFAN ENGINE
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ATP Doc: 65563 Rev.NC	Exh Noz: ICN10462	Thrust Tare: 0.0	Test Cell 05
Fuel Type: JETA	Oil Type: mobil jet 2	Pc1: 2.0010	Pc2: 2.0230
LHV: 18621	Spec Grav: 0.7901	Temp Slope: 0.00040800	Dir: 0808010839

PARAMETER	DATA	
DATA POINT NUMBER	7	8
MODE (0=MECH,1=ELEC)	0	0
PERCENT N1 TO	27.81	99.42
POWER LEVER ANGLE	17.30	90.04
REFERRED N1 SPEED	4631	16544
REFERRED N2 SPEED	22671	39066
REFERRED THRUST	115.9	1996.4
REFERRED ITT (R)	1234	1812
REFERRED AIRFLOW	2.2	71.9
REFERRED SFC	1.057	0.522
N1 SPEED	4746	16956
N2 SPEED	23174	39939
AVERAGE ITT (F)	829	1434
AIRFLOW	1.9	59.1
RECOVERED NET THRUST	98.7	1688.0
RECOVERED FUELFLOW	106.78	901.97
RECOVERED CDP (PSIA)	31.4	191.2
OVERALL PRESS RATIO	2.51	15.39
INLET TEMP. (F)	97.5	97.7
DEWPOINT (F)	42.5	43.0
FUEL TEMP. (F)	98.0	100.2
CELL PRESSURE	12.515	12.503
INLET PRESSURE	12.515	12.425
SPECIFIC HUMIDITY	0.00672	0.00691
REYNOLDS NO. INDEX	0.77922	0.77334
DELTA	0.85157	0.84549
THETA72	1.04795	1.04830
OIL TEMPERATURE	197.4	216.3
OIL PRESSURE	36.0	62.1
OIL TANK PRES (PSIG)	6.9	15.8
DATE	08/01/08	08/01/08
TIME	15:08:03	15:13:06

FJ44-2A TURBOFAN ENGINE
ACCEPTANCE TEST PERFORMANCE SUMMARY
WILLIAMS INTERNATIONAL CO., L.L.C.

Eng P/N: 56000	Eng S/N: 105444	Eng Bld: 1	Test Date: 08/01/08
Prog Ver: CP173.04	Date: 06/04/02	Acq Ver: CP169.03	Date: 06/15/00
Bellmouth -	Sn: 9314	Cd: 0.987	Dia: 18.80
ATP Doc: 59624 Rev.E	Exh Noz: icn10462	Thrust Tare: 1.0	Test Cell O5
Fuel Type: JETA	Oil Type: mobil jet 2	Pc1: 2.0010	Pc2: 2.0230
LHV: 18621	Spec Grav: 0.7901	Temp Slope: 0.00040800	Dir: 0808011657

PARAMETER	DATA						
DATA POINT NUMBER	22	23	24	25	26	27	28
MODE (0=MECH, 1=ELEC)	1	1	1	1	1	1	1
PERCENT N1 TO	31.31	35.91	81.40	87.89	92.97	97.54	100.44
POWER LEVER ANGLE	17.55	17.53	56.86	59.57	65.21	71.13	85.02
REFERRED N1 SPEED	5218	5982	13597	14670	15530	16307	16799
REFERRED N2 SPEED	24421	26333	36345	37192	37910	38520	38942
REFERRED THRUST	147.2	194.9	1180.1	1427.5	1662.2	1888.5	2050.8
REFERRED ITT (R)	1225	1235	1547	1610	1667	1716	1750
REFERRED AIRFLOW	5.0	20.9	50.4	54.7	58.7	62.2	64.5
REFERRED SFC	0.933	0.830	0.507	0.498	0.493	0.494	0.495
N1 SPEED	5345	6129	13917	15019	15896	16685	17185
N2 SPEED	24956	26910	37109	37984	38706	39319	39743
AVERAGE ITT (F)	820	830	1153	1220	1278	1328	1364
AIRFLOW	4.2	17.3	41.6	45.2	48.4	51.3	53.2
RECOVERED NET THRUST	125.2	165.7	1000.1	1208.9	1406.6	1596.9	1733.4
RECOVERED FUELFLOW	119.60	140.74	518.17	616.19	709.87	807.05	877.00
RECOVERED CDP (PSIA)	35.5	41.3	129.5	149.9	169.1	187.6	200.8
OVERALL PRESS RATIO	2.84	3.31	10.40	12.05	13.60	15.10	16.17
INLET TEMP. (F)	97.2	97.2	96.2	96.5	96.1	95.9	95.7
DEWPOINT (F)	41.9	42.2	41.9	42.4	42.7	42.4	40.7
FUEL TEMP. (F)	96.4	96.6	98.0	97.4	96.2	95.6	95.2
CELL PRESSURE	12.495	12.494	12.487	12.485	12.483	12.481	12.481
INLET PRESSURE	12.495	12.491	12.455	12.446	12.436	12.427	12.421
SPECIFIC HUMIDITY	0.00658	0.00666	0.00660	0.00676	0.00683	0.00675	0.00632
REYNOLDS NO. INDEX	0.77860	0.77826	0.77778	0.77672	0.77668	0.77661	0.77652
DELTA	0.85025	0.84993	0.84750	0.84688	0.84624	0.84563	0.84522
THETA72	1.04731	1.04736	1.04546	1.04600	1.04540	1.04487	1.04457
OIL TEMPERATURE	208.2	198.7	213.1	212.6	211.6	210.6	209.7
OIL PRESSURE	39.2	44.0	58.7	59.6	60.6	61.7	62.9
OIL TANK PRES (PSIG)	7.4	7.8	12.3	13.3	14.3	15.3	16.0
DATE	08/01/08	08/01/08	08/01/08	08/01/08	08/01/08	08/01/08	08/01/08
TIME	17:49:00	17:53:20	17:59:01	18:03:32	18:08:01	18:12:34	18:17:08

OPR @ 17800 N1R = 18.54

SERVICE RECORD




Williams International

DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS
 ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING, AND CERTIFICATE NUMBER

ENGINE MODEL NUMBER: FJ44-2A

ENGINE SERIAL NUMBER: 105444

DATE	HOURS SINCE NEW	HOURS SINCE OVERHAUL	CYCLES SINCE NEW	CYCLES SINCE OVERHAUL	DESCRIPTION OF WORK
1-12-09	0	0	0	0	This engine has been installed on aircraft serial number RB-266 RH and has been fully charged with Mobil Jet II Oil.  Robert Alliband For Hawker Beechcraft Corporation PC#8

SERVICE RECORD



Williams International

DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS
 ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING, AND CERTIFICATE NUMBER

ENGINE MODEL NUMBER: FJ44-2A

ENGINE SERIAL NUMBER: 105444

DATE	HOURS SINCE NEW	HOURS SINCE OVERHAUL	CYCLES SINCE NEW	CYCLES SINCE OVERHAUL	DESCRIPTION OF WORK
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3992 Aviation Circle
 Atlanta, Georgia 30336
 404-699-9200
 Fax: 404-691-1672

RIGHT ENGINE LOG ENTRY

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MODEL	AF S/N	AF REG#	WORK ORDER#	AFTT	AFTC	DATE
390	RB-266	N390MM	11-04-12492	203.4	232	10/12/10
	ENG S/N		ENG TT			
	105444		203.4			

1. Complied with "Initial" 200 Hour Inspection IAW the most current revision of the Hawker Beechcraft Premier 390 MM P/N 390-590001-0015.
2. Replaced Inboard Exciter Box P/N CH 92007-1 S/N CK 0800693. Installed a repaired unit same P/N S/N CK 0501353 Provided by Champion Aerospace LLC WOF# RM23605 Form 8130-3 Dated Apr/22/2010. IAW Williams LMM 74. Op checked good.
3. Complied with Williams Check one inspection. IAW Williams MM CH 05.

I certify the above maintenance/inspection was performed in accordance with current FAA regulations. All inspections were performed IAW 91.409 (f), (3). Only those items specified in the Work Order have been inspected and found to be Airworthy and Returned to Service. No other representations concerning Airworthiness are expressed or implied. Details are on file under the work order number.

Hawker Beechcraft Services
 CRS-ERYR682D

Name: Harper Tobgood
 Title: Inspector

SERVICE RECORD



8402 Nelms
Houston, TX 77061
Ph 713-567-5000
Fax 713-645-3288



Williams International

RIGHT ENGINE LOG ENTRY

Page 1 of 1

MODEL	A/C S/N	A/C REG	WORK ORDER	AC TT	AC TCYC	DATE
390	RB-266	N390MM	67612	1070.2	1092	October 24, 2017
ENG MODEL		ENG S/N	ENG TT	ENG TCYC		
FJ44-2A		105444	1070.2	1092		

A. TIME ITEMS COMPLETED WITH:

- CAMP Code 052001, 300 Hour Engine Check 1 Inspection IAW Williams International FJ44-2A LMM 05-20-00.
- CAMP Code 052002, 600 Hour Engine Check 2 Inspection IAW Williams International FJ44-2A LMM 03-20-00.
- CAMP Code OPS41, 300 hour Williams International Check 1 and leak check of the hydraulic pack IAW Williams International FJ44-2A LMM 71-09-00.
- SB WTSB-74-1002, jet after lead inspection and clamping arrangement. Performed Service Bulletin WTSB-74-1002, AW Williams International jet after lead inspection and Clamping Arrangement instructions.
- Williams International Service Bulletin FJ44-73-062 - fuel flow to oil cooler tube assembly replacement. Compiled with Williams International FJ44 Service Bulletin FJ44-73-062 with the installation of new fuel flow to oil cooler tube assembly P/N 125807.

I certify that the above maintenance/inspection was performed IAW current FAA regulations. All inspections were performed IAW CFR 91.409 (f) (3). Only those items specified in the Work Order have been inspected and found to be Airworthy and Returned to Service. No other representations concerning Airworthiness are expressed or implied.

Textron Aviation Services
CRS CNO9918C

Mark Boyer
Title: Inspector

05444

NUMBER

DESCRIPTION OF WORK

→ HAWKINS JET CENTER →
JACKSON, MISSISSIPPI

N390MM Date 5-24-2018 Cycles 1181.5 Hourmeter 1144.4
Performed compressor desalination rinse on right engine.
Joshua Speer P#3952535

→ HAWKINS JET CENTER →
JACKSON, MISSISSIPPI

N390MM Engine Rt Date 3-22-19 Tach. 1220.1 Cycles 1261
Performed compressor desalination rinse on right engine.
Joshua Speer P#3952535

MEDICO INC

RIDGELAND, MS, USA, 39158

FJ44-2A FJ44-2A S/N: 105444

On Aircraft Reg: N390MM Serial: RB-266

Work Order #: 081903302

Date	A/C HRS	A/C AFL	ENG 1 HRS	ENG 1 ENC	ENG 2 HRS	ENG 2 ENC	APU HRS	APU Starts
18-Sep-2019	1291.3		1291.3		1291.3			

No. Task No./Position Description
 1 5003 PERFORM DE-SALINIZATION RINSE ON RH #2 ENGINE P/N F44-2A S/N 105444.
 Update Note: [5003] - C/W De-salination rinse on RH #2 Engine P/N F44-2A/S/N 105444 I/A/W Williams International F44-2A M.M. Chapter 71.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED OR REPAIRED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATION 91.409 (P)(3) AND APPROVED FOR RETURN TO SERVICE.

Work Performed By: Central Flying Service Certificate #: HBKR587E
 Work Inspected By: Steven Chooval Certificate #: HBKR587E

→ HAWKINS JET CENTER →
 JACKSON, MISSISSIPPI

N390MM Engine RT Date 8-28-19 Time 1280.3 Cycles 1323
 Performed desalination rinse on right engine.
 Joshua Speer A&P 3952535

→ HAWKINS JET CENTER →
 JACKSON, MISSISSIPPI

N390MM Date 2-3-2020 Cycles 1400.6 Hourmeter 1357.2
 Performed desalination rinse on rt. engine.
 Joshua Speer A&P # 3952535

Textron Aviation
One Cassina Blvd.
Wichita, KS 67215 U.S.A.
Phone: +1(316)517-6000

TEXTRON AVIATION

Maintenance Transaction Record
This Maintenance Report is To Be Used Solely For:

Engine #2 Serial No. 105444



Aircraft Identification and Status

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Eng. 1 Ttl Hrs	Eng. 2 Ttl Hrs	Eng. 1 Ttl Cycles	Eng. 2 Ttl Cycles	APU Hrs	APU Events	Freon Hrs
RB-266	266	N390MM	18-Nov-20	KHOU	1406.6	1446	1406.6	1406.6	1446	1446			

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished

Task/Item	Transaction No.	Type	Item Name	Position	Part Number/Alternate Part	Mod Level	Part Serial	Removal Reason	Status	Installed Part TSN/TSO/TSR
731001	1	1	Troubleshoot fuel leak	#2	59863		YYK0347	UN	O	

Comment: Removed fuel control unit P/N 66503 S/N RF1344693, removed the overhauled fuel pump P/N 59863 S/N YYK0669, and installed an overhauled fuel pump P/N 59863 S/N YYK0347 overhauled by Eaton Corporation CRS# A6GR410J WOF# C312819 Dated 01-Jun-2020. Reinstalled Fuel control P/N66503 S/N RF1344693 IAW Williams International FJ44-2A MM chapter 73-21-01 and 73-16-01. Performed Stability/Acceleration Check, High Power Check, Idle Speed and Leak Check Run, found all to be satisfactory, IAW William International FJ44-2A LMM 71-00-00.

Trans Type: 1-Component, 2-Inspection, 3-SB, 4-AD, -Misc Removal Reasons: WO-Worn to Limits, SC-Scheduled, UN-Unscheduled, CO-Convenience, N-Other (note in comments) Installed Part Status: N-New, R-Repaired/Rebuilt, S-Servicable, O-Overhauled, T-Tested, M-Modified, I-Inspected.

Repair Facility	Textron Aviation Service - HOJ	Certified Repair Station Number	CNQ9918C	Work Order #	142492
Work Performed By	Textron Aviation Service - HOJ	Certificate No.	CNQ9918C	Date	18-Nov-20
I certify that the above maintenance & information contained in the listed work order was performed in accordance with the current regulations of the					
Federal Aviation Administration			Other (specify) _____		
and the aircraft identified above is presently airworthy and approved for return to service.					
Work Inspected By	Miguel A. Perez	Certificate No.	CNQ9918C	Date	18-Nov-20
Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.					

Maintenance Log	
Section	8
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