CERTIFICATED REPAIR STATION #KŌ0R718X

GAS PATH BORESCOPE REPORT

FORM KM-231

KM-34 No.	
0	
AEC-E001	

ENGINE MAKE: Pratt & Whitney MODEL: JT9D-7J

ESN: 685969

CUSTOMER: Aero Excel Comp.	xcel Co	mp.	1			ESN: 685969	
STAGE	DAMAGE	EROSION	NOI	AIRFOIL	의 의	REMARKS	INSP/DATE
LPC 1 ST STAGE	YES [NONE		CLEAN	<		
CHECK BLOCK IF N/A	NO 🕙	LIGHT	\	DIRTY			QC46
TO ENGINE MODEL		MEDIUM					
		HEAVY					12-5-13
LPC 1.5 STAGE	YES	NONE		CLEAN			
CHECK BLOCK IF N/A	NO	LIGHT		DIRTY			QC46
TO ENGINE MODEL		MEDIUM					
		HEAVY					12.5-13
LPC 2 ND STAGE	YES [NONE		CLEAN	<u></u>		
CHECK BLOCK IF N/A	NO V	LIGHT		DIRTY			000
TO ENGINE MODEL		MEDIUM					
LPC 3RD STAGE	YES 🗸	NONE		CLEAN	<	A few minor nicks in LE of blades.	
CHECK BLOCK IF N/A	NO	LIGHT	<	DIRTY		All damage is within continued time limits,	QC46
TO ENGINE MODEL		MEDIUM				IAW PW J19D-7J EM /Z-00-00; Cneck -03.	
		HEAVY					12-5-13

NOTE: USE BORESCOPE CRITERIA APPROPRIATE TO THE CUSTOMER'S PROGRAM

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FORM KM-231

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KM-34 No.: AEC-E001 ENGINE MAKE: Pratt & Whitney MODEL: JT9D-7J

CUSTOMER: Aero Excel Comp.

ESN: 685969

STAGE	DAMAGE	EROSION	ION	AIRFOIL	9	REMARKS	INSP/DATE
LPC 4 [™] STAGE	YES	NONE		CLEAN	<		
CHECK BLOCK IF N/A	NO V	LIGHT	<	DIRTY			000
TO ENGINE MODEL		MEDIUM					9
		HEAVY					12-5-13
LPC 5 TH STAGE	YES	NONE		CLEAN			
CHECK BLOCK IF N/A	8 	LIGHT		DIRTY		,	
TO ENGINE MODEL		MEDIUM					0
		HEAVY					12-5-13
LPC 6TH STAGE	YES	NONE		CLEAN			
CHECK BLOCK IF N/A	No	LIGHT		DIRTY			0046
TO ENGINE MODEL		MEDIUM					(
[HEAWY					12.5.13

NOTE: USE BORESCOPE CRITERIA APPROPRIATE TO THE CUSTOMER'S PROGRAM

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GAS PATH BORESCOPE REPORT

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KM-34 No.: AEC-E001	
ENGINE MAKE: Pratt & Whitney	
MODEL: JT9D-7J	

ESN: 685969

CUSTOMER: Aero Excel Comp.

-]		4
			MIDIOM [TO ENGINE MODEL
K					TO PROPRIE MODEL
		DIRTY	LIGHT	NO	CHECK BLOCK IF N/A
]]]	
		CLEAN	NONE	YES	HPC 4 TH STAGE
12-5-13			HEAVY		
8			MEDIUM		TO ENGINE MODEL
		DIRTY	LIGHT [NO	CHECK BLOCK IF N/A
		CLEAN	NONE	YES [HPC 3RD STAGE
12-5-13			HEAVY		
		,	MEDIUM		TO ENGINE MODEL
22		DIRTY	Пент 🗌	NO	CHECK BLOCK IF N/A
		CLEAN	NONE	YES	HPC 2 ND STAGE
12-5-13			HEAVY		
			MEDIUM		TO ENGINE MODEL
2000		DIRTY	пент 🗌	NO	CHECK BLOCK IF N/A
		CLEAN	NONE	YES	HPC 1ST STAGE
INSP/DATE	REMARKS	AIRFOIL	EROSION	DAMAGE	STAGE

NOTE USE BORESCOPE CRITERIA APPROPRIATE TO THE CUSTOMER'S PROGRAM

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GAS PATH BORESCOPE REPORT

FORM KM-231

KM-34 No.: AEC-E001	
ENGINE MAKE: Pratt & Whitney	
MODEL: JT9D-7	

ESN: 685969

CUSTOMER: Aero Excel Comp.

12-5-13			HEAVY	/JHE/		
			MEDIUM	MEI		TO ENGINE MODEL
QC46		DIRTY	HT V	✓ LIGHT	NO	CHECK BLOCK IF N/A
		CLEAN 🔽	NE	NONE	YES	HPC 8 th STAGE
12-5-13			HEAVY	/IH		
			MEDIUM	MEI		TO ENGINE MODEL
00046		DIRTY	HT <	✓ LIGHT	NO	CHECK BLOCK IF N/A
		CLEAN 🗸	NE	NONE	YES	HPC 7 th STAGE
12-5-13	China C	р	HEAVY [HE		[
			MEDIUM	ME		TO ENGINE MODEL
OC46		DIRTY	HT <	✓ UGHT	NO	CHECK BLOCK IF N/A
		CLEAN 🗸	NE	NONE	YES	HPC 6th STAGE
12-5-13			HEAVY	HE		
			MEDIUM	MEI		TO ENGINE MODEL
		DIRTY	HT <	✓ цент	NO	CHECK BLOCK IF N/A
		CLEAN 🗸	NE	NONE	YES [HPC 5th STAGE
INSP/DATE	REMARKS	AIRFOIL	EROSION		DAMAGE	STAGE

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NOTE:

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GAS PATH BORESCOPE REPORT

ESN: 685969

FORM KM-231

KM-34 No.: AEC-E001	
ENGINE MAKE: Pratt & Whitney	
MODEL: JT9D-7J	

CUSTOMER: Aero Excel Comp.

								AND DESCRIPTION OF PARTY AND PARTY A	
12-5-13		×			HEAVY				
					MEDIUM			TO ENGINE MODEL	7
000			DIRTY	<	LIGHT	<	N O	CHECK BLOCK IF N/A	Ω
)		z	CLEAN		NONE		YES	HPC 12 th STAGE	I
12.5.13					HEAWY				
1					MEDIUM			TO ENGINE MODEL	Ħ
On A			DIRTY	<	LIGHT	<	NO	CHECK BLOCK IF N/A	0
		z	CLEAN		NONE		YES	HPC 11 th STAGE	エ
12.5-13	Check -03.				HEAVY	i.			
0046	limits, IAW PW JT9D-7J EM 72-00-00,				MEDIUM			TO ENGINE MODEL	=
	All damage is within continued time		DIRTY	<	LIGHT		NO	CHECK BLOCK IF N/A	Ω
	A few minor nicks in LE & TE of blades.	z	CLEAN		NONE	<	YES	HPC 10 th STAGE	I
12-5-13					HEAVY				
					MEDIUM			TO ENGINE MODEL	
			DIRTY	<	LIGHT	<	NO	CHECK BLOCK IF N/A	0
		Z	CLEAN		NONE		YES	HPC 9th STAGE	I
INSP/DATE	REMARKS	AIRFOIL	All	NOIS	EROSION	DAMAGE	DAN	STAGE	

NOTE: USE BORESCOPE CRITERIA APPROPRIATE TO THE CUSTOMER'S PROGRAM

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CERTIFICATED REPAIR STATION #KŌ0R718X

GAS PATH BORESCOPE REPORT

FORM KM-231

ENGINE MAKE: Pratt & Whitney	
Whitney	
MODEL: JT9D-7J	

CUSTOMER: Aero Excel Comp.

KM-34 No.: AEC-E001

ESN: 685969

SIAGE	DAMAGE	EROSION	CN	AIRTOIL		KEWAKNO	INSPIDA E
HPC 13th STAGE	YES 🗸	NONE		CLEAN		A few blades with minor dents in	
CHECK BLOCK IF N/A	8 0	LIGHT	<	DIRTY		concave side and TE. All damage is	000 600 600
TO ENGINE MODEL		MEDIUM				within continued time limits, IAW PW	
		HEAVY				JT9D-7J EM 72-00-00, Check -03.	12.5.13
HPC 14th STAGE	YES 🗸	NONE		CLEAN	<	A few blades with very minor LE nicks.	
CHECK BLOCK IF N/A	NO	LHGHT		DIRTY		All damage is within continued time	000
TO ENGINE MODEL		MEDIUM				limits, IAW PW JT9D-7J EM 72-00-00,	
		HEAVY				Check -03.	12-5-13
HPC 15 th STAGE	YES 🗸	NONE		CLEAN	≺	A few blades with very minor LE nicks.	
CHECK BLOCK IF N/A	8 	LIGHT	<	DIRTY		All damage is within continued time	8
TO ENGINE MODEL	***********	MEDIUM				limits, IAW PW JT9D-7J EM 72-00-00,	
		HEAVY				Check-03.	12-5-13

NOTE USE BORESCOPE CRITERIA APPROPRIATE TO THE CUSTOMER'S PROGRAM

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NOTE:

USE BORESCOPE CRITERIA APPROPRIATE TO THE CUSTOMER'S PROGRAM

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GAS PATH BORESCOPE REPORT

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KM-34 No.: AEC-E001	
ENGINE MAKE: Pratt & Whitney M	
MODEL: JT9D-7J	

CUSTOMER: Aero Excel Comp.

ESN: 685969

12-5-13					HEAVY			
					MEDIUM			TO ENGINE MODEL
200			DIRTY	<	LIGHT	<	O	
	Limited View.	_ ⊡	CLEAN		NONE		YES	HOT SECTION
12-5-13					HEAVY			
					MEDIUM			TO ENGINE MODEL
	•		DIRTY	\leq	LIGHT	<	O	TI BLAUES
	Some blade tip area coating loss.	<	CLEAN		NONE		YES	HOT SECTION
12.5-13					HEAVY			
					MEDIUM		,	TO ENGINE MODEL
000		<	DIRTY		LIGHT	<	O	TI NUZZLE GUIDE VANES
			CLEAN		NONE		YES	HOT SECTION
12-5-13								LO ENGINE MODEL
					HEAVY			CHECK BLOCK IF N/A
9					MEDIUM			FUEL NOZZLES
		<	DIRTY		LIGHT	<	O	INNER/OUTER LINERS
			CLEAN	\	NONE		YES	HOT SECTION
INSP/DATE	REMARKS	AIRFOIL	7	EROSION	ERC	DAMAGE	DAM	STAGE

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CERTIFICATED REPAIR STATION #KŌ0R718X

DATE: Dec 05 2013			2679	Bolul I	FINAL REVIEW: QC46
	(Borescope).)-00, Check-03	770408), 72-00	Manual (p/n	P&W JT9D Engine Manual (p/n 770408), 72-00-00, Check-03 (Borescope).
erformed in accordance with	Borescope perfor	nt findings. Bo	No significa	ANT FINDINGS	SUMMARY OF SIGNIFICANT FINDINGS: No significant findings.
AM Page 8 of 8	OMER'S PROGRAM	USE BORESCOPE CRITERIA APPROPRIATE TO THE CUSTOMER'S PR	RIA APPROPRIA	COPE CRITER	NOTE: USE BORES
12-5-13			MEDIUM		TO ENGINE MODEL
2C46	Limited View	CLEAN 🔽 DIRTY	NONE □	YES	HOT SECTION LPT VANES
12-5-13			MEDIUM		TO ENGINE MODEL
2046		CLEAN	NONE [NO YES	HOT SECTION LPT BLADES
12-5-13			MEDIUM	Т 2	TO ENGINE MODEL
20 C46		CLEAN V	NONE U	NO YES	HOT SECTION T2 BLADES
RKS INSP/DATE	REMARKS	AIRFOIL	EROSION	DAMIAGE	STAGE
	ESN: 685969			l Comp.	CUSTOMER: Aero Excel Comp.
MODEL: JT9D-7J	l .	ENGINE MAKE: Pratt & Whitney	ш		KM-34 No.: AEC-E001
FORM KM-231	ORT	GAS PATH BORESCOPE REPORT	GAS PATH B		