



StandardAero Atlantic, Inc.
Hangar 8, 800 Aerospace Blvd, Slemmon Park
Summerside, PE C0B 2A0

HST No. 89676 0220 RT0001 CANADA
Phone: 902-436-1333 Fax: 902-436-0777

INVOICE

Bill To:

Vietnam Airlines

Customer Name

200 Nguyen Son St. Long Bien District

Mailing Address: Street/Box

Address 2

Hanoi

City Prov/State Postal/ZipCode

Vietnam

COUNTRY

Tran Quoc-Hoai

Attention

yenht@vietnamairlines.com

E-Mail Address / Fax #

Ship To:

Customer Name

Physical Address

Address 2

City Prov/State Postal/ZipCode

COUNTRY

Page 1 of 8 PB: JF

Customer PO #: -
Customer #: E52953
Terms: Net Cash
Currency: USD

Invoice #: 119811
Date: 2024-May-22
WO #: 44-25998
Order Task #: 2212/8

Description:

Engine Serial Number:	PC-E ED0247	Workscope:	Repair Hot Section
Labor		\$	42,065.00
Component Repairs		\$	80,750.20
Replacement Parts		\$	1,322,594.84
Rotable / Special Processes		\$	117,061.00
Test Cell Fee (Includes Fuel and Oil)		\$	6,600.00
Packing and Preservation		\$	1,627.00
Bulk Issue		\$	5,200.00
Inclusive of P&WC Warranty Credits			

SUB-TOTAL \$ 1,575,898.04
Shipping \$ -
USD TOTAL \$ 1,575,898.04

LATE PAYMENTS: All payments not received within stated terms will be subject to an interest charge of 1.5% per month (19.56% per annum). Payments in US Currency Only. Remit To (for cheque payments only): StandardAero, 707 Flight Road, Winnipeg MB, R3H 1C6 Canada

180 DAY EXPIRY: Please note your PPSP warranty credits will expire on March 23, 2024

SUMMARY

Customer: Vietnam Airlines
 Customer PO #: -
 Engine Serial No. PC-E ED0247
 Workscope: Repair Hot Section

Invoice No.: 119811
 Date: 22-May-24
 WO #: 44-25998
 Order Task #: 2212/8

REPLACEMENT PARTS:

Bench Stock			
TM Module		16,448.00	16,448.00
New Parts		775,540.14	
Less: New Parts Discount	33.0%	(255,928.25)	519,611.89
Serviceable Parts		287,337.48	
Less: Serviceable Parts Discount	53.0%	(152,288.86)	135,048.62
New LCF Parts		411,958.43	
Less: New LCF Parts Discount	33.0%	(135,946.28)	276,012.15
Pratt Whitney Commercial Support			319,842.18
Serviceable LCF Parts			48,132.00
Specially Priced Serviceable Parts			7,500.00
TOTAL PARTS			1,322,594.84

ROTABLE / SPECIAL PROCESS:

3052959-01	LINER, OUTER COMB. ASSY	54,669.00	912518
3055632CL	STATOR ASSY, LP	55,753.00	912670
3072568-01	SEAL, #5 BRG AIR/OIL	4,639.00	912532
3106987-01	BLANKET	200.00	43-52501
3106988-01	BLANKET	200.00	43-52512
3106986-01	BLANKET	200.00	43-52507
3123237-01	BLANKET	200.00	43-52528
3123241-01	BLANKET	200.00	43-52515
3123242-01	BLANKET	200.00	43-52531
3123317-01	BLANKET	200.00	43-52523
3117656-01	BLANKET	200.00	43-52539
3117658-01	BLANKET	200.00	43-52537
3072302-01	BLANKET	200.00	43-52854
TOTAL ROTABLE / SPECIAL PROCESS			117,061.00

DETAIL OF REPLACEMENT PARTS

Customer:	Vietnam Airlines	PO No.:	-
Buyer:	E52953	Eng S/N:	PC-E ED0247
Workscope:	Repair Hot Section	Invoice No.:	119811

NEW PARTS				
PART#	PART DESCRIPTION	QTY	LIST	TOTAL
3022375	SEAL	2	149.90	299.80
3036376	FILTER, ELEMENT OIL OPTIO	1	1,656.50	1,656.50
3036767	BEARING, #2	1	20,630.00	20,630.00
3037197	SEAL AIR,CARBON	2	4,761.40	9,522.80
3037223	SEAL, FACE	1	4,171.10	4,171.10
3037235	BEARING, #7	1	15,215.00	15,215.00
3037994	TUBE	1	1,170.50	1,170.50
3038555	COUPLING, GROOVED FUEL PU	1	993.70	993.70
3041176	BEARING, #6	1	25,298.00	25,298.00
3134042	TUBE, ASYO TRANSFER #6	1	6,893.10	6,893.10
3134044	TUBE, TRANSFER, PACKING	1	1,282.90	1,282.90
3134051	TUBE,6&7 BEARING OIL	1	4,882.40	4,882.40
3134564	BLADE, PT 2ND STAGE	71	1,975.80	140,281.80
3136511	TUBE, TRANSFER PACKING	2	122.20	244.40
3032033CL1	CTWT, LP DISK	1	186.20	186.20
3032033CL5	CTWT, LP DISK	2	186.20	372.40
3032114CL3	CTWT, TURBINE	2	211.20	422.40
3032255CL1	CTWT, LP IMPELLER	2	575.60	1,151.20
3033097CL5	CTWT, BALANCING	1	210.80	210.80
3033518CL5	CTWT, HP DISK L/E	2	195.20	390.40
3038165CL5	CTWT, HP DISK T/E	2	211.40	422.80
3039190CL	SPACER, LP DISK	1	457.70	457.70
3039593CL12	SHROUD SEGMENT, LP	14	1,524.90	21,348.60
3045479-01	GASKET	14	71.83	1,005.62
3046602-01	WIRE, RETAINING	2	163.60	327.20
3049812-01	SEAL	1	3,185.30	3,185.30
3051012-01	BOLT, MACHINE DBL HEX	26	36.48	948.48
3059220P4	PIN, HOLLOW	10	113.50	1,135.00
3059253-01	FILTER, ELEMENT OIL	1	1,894.90	1,894.90
3070017-01	SEAL SHROUD, HPT	42	33.52	1,407.84
3070881CL07	SHROUD SEGMENT, HP	21	3,050.50	64,060.50
3072474-01	SEAL ASSY	1	251.00	251.00
3072475-01	SEAL ASSY	1	251.00	251.00
3072668-01	SEAL, METAL	1	176.00	176.00
3074466-01	DECAL,WARNING,PW127M ENG	1	256.80	256.80
3074999-01	NUT OPTION (IC)	26	149.00	3,874.00
3078977-01	SPACER	1	97.06	97.06
3101392-02	SPACER, ADJUSTING	1	194.10	194.10
3103178-03	BUSHING, SLEEVE	2	112.40	224.80
3103961-01	SPACER, ADJUSTING	1	215.20	215.20
3104870-01	TUBE, SEALING TURB SPRT	2	150.20	300.40
3106225-01	SEAL, AIR PT ROTOR	1	992.40	992.40
3106692-01	INSULATOR, THERMOCOUPLE	1	97.47	97.47
3106825-01	TUBE, SEALING	3	138.40	415.20
3109330-01	GEAR,BEVEL ACCY DRIVE	1	7,332.60	7,332.60

DETAIL OF REPLACEMENT PARTS

Customer:	Vietnam Airlines	PO No.:	-
Buyer:	E52953	Eng S/N:	PC-E ED0247
Workscope:	Repair Hot Section	Invoice No.:	119811

3109331-01	GEAR, BEVEL OIL PUMP	1	7,332.60	7,332.60
3110690-01	GRSHFT,SPUR	1	22,588.00	22,588.00
3111826-01	SPACER	2	61.23	122.46
3112218-01	RING, PISTON	1	585.10	585.10
3112577-01	WASHER	1	492.50	492.50
3113747-02	SEAL, LABYRINTH	1	7,166.60	7,166.60
3115697-01	WASHER, #6 BRG ROTOR	1	609.90	609.90
3115907-01	NUT, #6 BRG ROTOR HP	1	4,353.50	4,353.50
3116829-01	SEAL,AIR,#5 BRG	1	8,802.20	8,802.20
3117940-01	RING, SEAL, HP HSG	1	903.30	903.30
3118882-01	BLADE, LP	47	6,405.30	301,049.10
3119838-02	BOLT, SHOULDER	5	343.10	1,715.50
3119965-01	SEAL,AIR,INNER VANE	1	7,155.70	7,155.70
3120279-01	GASKET, HEAT SHIELD, 6&7	2	136.70	273.40
3120705-01	SEAL, RING	1	5,375.30	5,375.30
3121706-01	BEARING, #5 SYM.	1	29,623.00	29,623.00
3122939-03	WASHER	1	1,260.00	1,260.00
AS3094-03	INSERT	66	7.31	482.46
AS3217-160	RING, RETAINING	1	15.15	15.15
AS3307-26	BOLT	6	77.15	462.90
CH34817	IGNITER, SPARK	1	1,519.90	1,519.90
MS9217-06	BOLT, MACHINE	3	14.84	44.52
MS9454-10	BOLT	4	16.70	66.80
MS9489-05	BOLT, MACHINE	14	12.96	181.44
MS9489-06	BOLT, MACHINE	16	13.24	211.84
MS9519-06	BOLT	3	54.83	164.49
MS9556-07	BOLT, MACH DBL HEX	6	10.59	63.54
MS9696-08	BOLT, MACH DOUBLE HEX	64	31.39	2,008.96
MS9714-05	BOLT, MACH DRD DBL HEX	16	65.04	1,040.64
ST1140-13	GASKET, OPTION	10	104.70	1,047.00
ST2231-18	CLAMP LOOP CUSHION	1	279.10	279.10
ST3030-11	NUT, OPTION	5	36.97	184.85
ST3031-24	INSERT, SCREW THREAD HLCL	43	3.29	141.47
ST3039-07	BOLT, MACHINE HEX	11	30.23	332.53
ST3072-06	BOLT, MACHINE	16	33.80	540.80
ST3086-011	PACKING, PREFORMED	2	424.40	848.80
ST3086-114	PACKING, PREFORMED	4	618.40	2,473.60
ST3086-159	PACKING, PREFORMED	2	2,309.60	4,619.20
ST3086-168	PACKING, PREFORMED	1	2,584.90	2,584.90
ST3321-01	NUT,OPTION	48	66.61	3,197.28
ST6202-009	PACKING, PREFORMED	56	4.12	230.72
ST6202-018	PACKING, PREFORMED	28	4.96	138.88
ST6317-09	NUT, OPTION	14	86.62	1,212.68
ST6317-09	NUT, OPTION	68	86.62	5,890.16

TOTAL NEW PARTS

775,540.14

DETAIL OF REPLACEMENT PARTS

Customer:	Vietnam Airlines	PO No.:	-
Buyer:	E52953	Eng S/N:	PC-E ED0247
Workscope:	Repair Hot Section	Invoice No.:	119811

NEW LCF PARTS

PART#	PART DESCRIPTION	QTY	LIST	TOTAL
3039412	DISK, LP	1	92,273.00	92,273.00
	TECHLIFE 50%		-	46,136.50
3039639	COVER, HP REAR	1	61,120.00	61,120.00
	TECHLIFE 50%		-	30,560.00
3039640	COVER, HP FRONT	1	60,826.00	60,826.00
	TECHLIFE 50%		-	30,413.00
3041511	DISK, HP	1	84,017.00	43,670.86
	TECHLIFE 50%		-	21,835.43
3073133-01	IMPELLER ASSY, HP	1	298,329.00	298,329.00
	TECHLIFE 50%		-	149,164.50
3073138-01	IMPELLER ASSY, LP	1	267,698.00	267,698.00
	TECHLIFE 50%		-	133,849.00
TOTAL NEW LCF PARTS				411,958.43

SERVICEABLE PARTS

PART#	PART DESCRIPTION	QTY	LIST	TOTAL
5137	PRESSURE SWITCH	1	2,500.00	2,500.00
01R3071214CL03	STATOR, 2ND STG PT	1	116,025.00	116,025.00
3048934-01	LINER, INNER COMB. ASSY	1	98,811.00	98,811.00
3101889-01	PLATE, RET TRANS TUBE	1	260.20	260.20
3107963-01	DUCT	1	12,405.00	12,405.00
3109231-01	SEAL	1	375.00	375.00
3111365-01	GEARSHAFT, SPUR, ACC DR	1	28,382.00	28,382.00
3116819-01	SEAL, INTERSTAGE HSG	1	14,324.00	14,324.00
3120911-01	DUCT, DIFF EXIT (123)	1	7,522.80	7,522.80
MS24674-8	CAP SCREWS	4	18.48	73.92
ST3090-37	RESISTOR	1	390.30	390.30
ST3090-53	RESISTOR	1	390.30	390.30
ST3090-81	RESISTOR	1	390.30	390.30
ST3114-10	RESISTOR	1	503.10	503.10
ST3279-06	BOLT	126	39.56	4,984.56
TOTAL SERVICEABLE PARTS				287,337.48

DETAIL OF REPLACEMENT PARTS

Customer:	Vietnam Airlines	PO No.:	-
Buyer:	E52953	Eng S/N:	PC-E ED0247
Workscope:	Repair Hot Section	Invoice No.:	119811

SERVICEABLE LCF PARTS

PART#	PART DESCRIPTION	QTY	LIST	TOTAL
3038513	1ST STAGE PT DISK (CR 23274)	1	92,600.00	48,132.00
TOTAL SERVICEABLE LCF PARTS				48,132.00

SPECIALY PRICED SERVICEABLE PARTS

PART#	PART DESCRIPTION	QTY	LIST	TOTAL
3112368-01	BEARING, OPTION ROLLER	3	7,426.90	7,500.00
TOTAL SPECIALY PRICED SERVICEABLE PARTS				7,500.00

COMPONENT REPAIRS

Customer: Vietnam Airlines
 Buyer: E52953
 Workslope: Repair Hot Section

PO No.: -
 Eng S/N: PC-E ED0247
 Invoice No.: 119811

PART#	PART DESCRIPTION	REPAIR DESCRIPTION	QTY	REPAIR VALUE
	REFINISHING	TM		3,570.00
	CASE, TURBINE SUPPORT	SHROUD GRINDING		1,071.00
3041511	HP DISK	TIP GRINDING	1	595.00
3039512	LP DISK	TIP GRINDING	1	595.00
3049662CL	LP STATOR	SEAL MACHINING	1	952.00
3113599-01	RUNNER-PULSE PICK-UP	COATING LOSS	1	952.00
3111242-01	TUBE, TRANSFER, # 6&7 BRG	COATING LOSS	2	595.00
3079830-01	NUT, LP IMPELLER	COATING LOSS	1	357.00
3112674-01	NUT	COATING LOSS	1	952.00
3059670-01	NUT, PLAIN ROUND	COATING LOSS	1	476.00
3112252-01	SEAL, CARBON	PITTED	1	238.00
3119967-01	HSG, SEAL, HP IMP	PLASMA LOSS	1	1,071.00
PT08001A01K	OIL FILLER VALVE ASSEMBLY	PRESSURE TEST	1	238.00
3108485-01	VALVE, ASSY	REMANUFACTURED BEARING REPLACE	1	595.00
26355-1	FLOW DIVIDER	PER CUSTOMER REQUEST	1	533.00
3119966-01	HSG,VANE RING INNER	PLASMA LOSS	1	2,023.00
3114308-01	HOUSING, IMPELLER HIGH	COATING LOSS	1	714.00
3105421-01	STUB SHAFT, PT	COATING LOSS	1	357.00
3045813-01	HSG, LP IMPELLER SHROUD	COATING LOSS	1	714.00
3051009-01	HOUSING, LPT	HARDWARE REPLACEMENT	1	357.00
3059270-01	CASE, TURBINE SUPPORT	COATING LOSS	1	476.00
3114448-01	HSG, OUTER SUPPORT	DIMENSION UNDER MIN LIMIT	1	2,618.00
3056281-01	STUB SHAFT, HP	COATING LOSS	1	595.00
3053725-01	CASE ASSY, LP DIFFUSER	CORRODED	1	4,641.00
3118642-01	VALVE SERVO, ICC	TEST AND RECERTIFY	1	620.00
3076200-08	IC BLEED VALVE	OVERHAUL	1	11,543.00
3045846-01	CASE ASSY, INLET REAR	PLASMA LOSS	1	43,302.20
TOTAL COMPONENT REPAIRS				80,750.20

PWC COMMERCIAL SUPPORT CAMPAIGNS

Customer: Vietnam Airlines	PO No.: -
Buyer: E52953	Eng S/N: PC-E ED0247
Workscope: Repair Hot Section	Invoice No.: 119811

PARTS WITH PRATT & WHITNEY COMMERCIAL SUPPORT PROGRAMS:

CSP#	1007005				
PART#	PART DESCRIPTION	QTY	LIST	LL70	TOTAL
3123943-01	BLADE, PT 1ST STG	66	3,383.90	156,336.18	67,001.22
TOTAL CAMPAIGN					67,001.22

CSP#	1009313				
PART#	PART DESCRIPTION	QTY	LIST	LL60	TOTAL
3115601-01	BLADE, HPT	38	8,696.80	198,287.04	132,191.36
TOTAL CAMPAIGN					132,191.36

CSP#	1008730				
PART#	PART DESCRIPTION	QTY	LIST	LL60	TOTAL
3077981CL03	VANE, HP TRIPLE PHASE II	2	37,703.00	45,243.60	30,162.40
3077981CL05	VANE, HP TRIPLE PHASE II	6	37,703.00	135,730.80	90,487.20
TOTAL CAMPAIGN					120,649.60

TOTAL PRATT & WHITNEY CANADA COMMERCIAL SUPPORTS	319,842.18
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