



MINISTRY OF DEFENSE
AERONAUTICS COMMAND
PARQUE DE MATERIAL AERONÁUTICO DE SÃO PAULO

TERMO DE AVALIAÇÃO DE MATERIAL N° 67115.003107/2024-79

The following Coiussão, appointed by Poitai ia PAMASP n° 181/DCIN, of June 18, 2024, published in the Boletini Intei no Ostensivo do GAP-SP n° 114, of June 19, 2024, in compliance with the provisions of item 2.15.11, of the Electronic Manual for the Aditlinistiion of Heritage Assets, Section D, of RCA 12-1 (RADA-e), updated on April 16, 2024, a visit was made on July 10, 2024 to building E-020 of the PAMASP Motorcycle Subdivision to evaluate the mtoies PT6A-25C S/N: PC-E26130, PT6A-25C S/N: PC-E26324 and PT6A-68C S/N: PCE-RS0008, contained in Material Exaiiie Ternio No. 67115.003107/2024-79.

Having carried out the necessary examinations and due diligence on the iiiaterials below, the Commission hereby records the following for legal purposes:

1) PT6A-25C engine (PN: 3101200-01) S/N: PC-E26130

a) Indication of the Number of the Term of Examination that Examined the Material: According to the Term of Examination of Material No. 67115.003107/2024-79.

b) Material specification: The turboprop aircraft engine model PT6A-25C and S/N PC- E26130 from the manufacturer *PI kitt d IJ*/7/Ene)* Canada was received by the FAB on June 18, 1985. The engine has a total of 8513:30 flight hours, 6871 cycles and 9807 landings since new. Data taken from SILOMS screens CTR0114P and CTR0117P accessed on 11/07/2024 (Figures 01 and 02).

ESTEFANEMELO. PAMASP. SILOMS11G.SILOMS.INTRAER. IAI
11/07/2024 15:46, CTR0114P v.10.39

Identificação do Material
PI 3101200-01 ENGINE PT6A-25C
Fabricante 00198 PRATT & WHITNEY CANADA CE NSN 2840 FA0037981

Identificação do Item
SN PC-E26130 Altera SN Remover CJM Automático
Data Fabricação 18/06/1985 Calcular Data Data Recebimento 18/06/1985 Proprietário
N° Contrato N° Carga Parcial Sim Não
Projeto T1 Modelo PT6A-25C Status Ativo Histórico Status
Lote Data Fabricação Tempo de Validade
Item sofre calibração? Sim Não Incluir na consulta Inativos
Observações
Unidade PAMASP VI Aquisição (US\$) 120.356,96 VI Aquisição R\$ 568.084,85
Solicitação 3070002811 NUPAMAAF Versão Software
Dados Inclusão SO GILBERTO PAMALS 21/09/2005 15:09:32
Dados Última Alteração

Handwritten signatures and initials in blue ink.

Figure 0.1: PT6A-25 C S/A: PC-E26 130.

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11/07/2024 15:51, CTR0117P v.10.24

Cadastrar Controles Iniciais

Identificação do Equipamento

PN 3101200-01 CFF 00198
 Nomenclatura ENGINE PT6A-25C NSN 2840 FA0037981
 Matrícula SN PC-E26130 Projeto T1 Modelo PT6A-25C

Controles do Equipamento (Informações)

Controle	TSN Atual	TSN Calculado (TSN Inicial + Qt.Utilização)	TSO	TSN Inicial	Data Inicial
CICLOS	8671	8671	3054	4760	02/08/2012
HORAS DE VOO	8513:30	8513:30	3499:25	6112:35	02/08/2012
MESES DE USO INSTALADO	82	82	82,08	0	02/08/2012
POUSOS	9807	9807	4646	6772	02/08/2012

Figura 02: PT6A-25C S/N: PC-E26130.

- c) Acquisition value: R\$ 568,084.85 (five hundred and sixty-eight thousand, eighty-four reais and eighty-five cents). Data extracted from SILOMS screen CTR0114P accessed on 11/07/2024 (Figure 01).
- d) Current value: The current value of the color engine corresponds to the acquisition value of R\$ 568,084.85 (five hundred and sixty-eight thousand, eighty-four reais and eighty-five cents).
- e) Value evaluated by the appointed Evaluation Commission, in accordance with up-to-date prices practiced in the market:

The purchase price of the engine was R\$ 568,084.85 (five hundred and sixty-eight thousand, eighty-four reais and eighty-five cents) in 1985, and no inflation adjustment index has been applied to this value since then.

The Exaíiii Term classified the combo inotoi "NO ESTADO - Aguidando Recupeiação", as prescribed by item 17.4.1.2 of MCA 67-1/2007 (Manual de Stipi iinento) and ANTI ECONOMIC, according to the disci iminação contained in letter "c", of Item 2.14.8.1.1, Electronical Manual for the Acquisition of Property, Section D, of RADA-e, RCA 12-1, updated on April 16, 2024.

Since it is a perennial piece of property considered uneconomical and classified according to the account 12311.01.14 of item 7.4.18.2 of the Electronic Manual of Budgetary, Financial and Pati iiuonial Execution (RADA-e), the equivalent of a residual value of 10% (ten percent) was obtained, so a total of R\$ 56,808.48 (fifty-six thousand, eight hundred and eight reais and qualenta e oito cetitavos).

Therefore, the application of the Get al Price Index - Market (IGP-M) was considered for In monetary terms, the current value is R\$6,008,150.02, according to a query made to the citizen's calculation on the Central Bank's website (Figure 0o).

According to Exanie's test, the engine shows signs of corrosion and fungal growth. At applying the depreciation index of account 12311.01.14 of item 7.4.18.2 of the Eletronic Manual of Budgetary, Financial and Patriarchal Execution (RADA-e) to that value, we arrive at the residual value of R\$ 600,815.00.

Therefore, this appraisal commission considers this value to be compatible with the acquisition value and it is concluded that the valuation of the iiiiotor PT6A-25C SN: PC-E26130 is the niesnio of the acquisition value of R\$ 568,084.85 (five hundred and sixty-eight thousand, eighty-four reais and eighty-five cents).

Fresult of con-ection by Ice-ea (j=cv)

Dados básicos da correção pelo IGP-M (FGV)	
Dados informados	
Inclal date	01/1995
End date	06/2024
Nominal value	R\$ 568.084,00 (REAL)
Correction index for the period	10.576L6570
Current percentage value957	.616570°/b
Corrected value on end date	RS 6.o0B. 150,52 (REAL)

Figure 03: Citizen's calculator.

I) Other clarifications deemed necessary:

In view of the uneconomical state of repair of the engine, the item will be used as a *core* in the *Fleet Enhancement Program (FEP) of Pratt & Whitney Canada* (engine manufacturer), as stated in letter No. 7/TMOT of June 5, 2024.

2) PT6A-25C motor (PN: 3101200-01) S/N: PC-E26324

a) **Indication of the Number of the Examination Term that Examined the Material:** According to Material Examination Term No. 67115.003107/2024-79.

b) **Material Specification:** The turboprop aero engine model PT6A-25C and *SAN* PC- E26324 from the manufacturer *Pratt & Whitney Canada* was received by the FAB on November 19, 1993. The engine has a total of 7148:50 flight hours, 6250 cycles and 8591 landings since new. Data taken from SILOMS screens CTR0114P and CTR0117P accessed on 15/07/2024 (Figures 04 and 05).

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Ph 012 1 *ECQGE6A
Fabricante 00198 PRATT & WHITNEY CANADA CIE NSN 2840 FA0037981

SN PC-E26324 Altera SN Remover CJM Automático
Date F8bEiCaçio 11 3 u D Date received
Nº Contrato Nº Carga Geral Nº Carga Parcial Proprietário
Projeto T1 Iãodeb 5 Status Ativo Histórico Status
Lote Data Fabricação Tempo de Validade
Item undergoes calibration2 Sim ^ Mia Incluir na consulta Inativos

Unxlade SPDVI Acquisition (US\$) 11 1 2 1 Solution VI Acquisition RS | 622.167,14
VerséD Software

Dados Inclusão SO ROSALDO 2/3 GAV 17/05/2005 10:22:02
Dados Última Alteração OS FERNANDA BUENO PAMASP 26/06/2023 10:55:27

Figure 04: PT6A-25C S/N: PC-E26324

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15/07/2024 08:45, CTR0117P v.10.24

Cadastrar Controles Iniciais

Identificação do Equipamento

PN 3101200-01 CFF 00198
 Nomenclatura ENGINE PT6A-25C NSN 2840 FA0037981
 Matrícula N PC-E26324 Projeto T1 Modelo PT6A-25C

Controles do Equipamento (Informados)

Controle	TSN Atual	TSN Calculado (TSN Inicial + Qt.Utilização)	TSO	TSN Inicial	Data Inicial
CICLOS	6250	6250	3084	2580	01/01/2004
HORAS DE VÔO	7148.50	7148.50	3484.15	2859.00	01/01/2004
MESES DE USO INSTALADO	95	97	97.38	0	17/05/2012
POUSOS	8591	8591	8591	3174	01/01/2004

Figura 05: PT6A-25C S/N: PC-E26324.

- c) Acquisition value: R\$662,167.14 (six hundred and sixty-two thousand, one hundred and sixty-seven reais and fourteen cents). Data taken from the SILOMS CTROI 14P screen accessed on July 5, 2024 (Figure 04).
- d) Current value: The current value of the color engine corresponds to the acquisition value of R\$662,167.14 (six hundred and sixty-two thousand, one hundred and sixty-seven reais and fourteen cents).
- e) Value assessed by the appointed Valuation Committee, in accordance with up-to-date prices practiced in the market:

The acquisition value of the motor is R\$662,167.14 (six hundred and sixty-two thousand, one hundred and sixty-seven reais and fourteen cents) in 1993, and no monetary correction index has been applied to this value since that date.

The Statement of Examination classified the engine as "IN STATE - In need of recovery", as prescribed by item 17.4.1.2 of MCA 67-1/2007 (Supply Manual) and ANTIECONOMIC, as described in letter "c" of Item 2.14.8.1.1, Electronic Material for the Administration of Heritage Assets, Section D, of RADA-e, RCA 12-1, updated on April 16, 2024.

As this is immovable property that is considered uneconomical and classified according to the account 12311.01.14 of item 7.4.18.2 of the Electronic Manual of Budgetary, Financial and Asset Execution (RADA-e), the equivalent of a residual value of 10% (ten percent) is obtained, for a total of R\$ 66,216.71 (sixty-six reais, two hundred and sixteen reais and seventy-one cents).

However, if the application of the General Market Price Index (IGP-M) is considered for the monetary correction, the current value will be R\$ 7,003,189.39 (seven million, three thousand, one hundred and eighty-nine reais and thirty-nine cents), according to a query made on the citizen's calculator on the Central Bank's website (Fig. 06).

According to the examination report, the engine shows signs of corrosion and fungal growth. When applying the depreciation index of account 12311.01.14 of item 7.4.18.2 of the Electronic Manual of Budgetary, Financial and Patrimonial Execution (RADA-e) to this value, we arrive at a residual value of R\$ 700,318.93 (seven hundred thousand, three hundred and eighteen reais and ninety-three cents).

Therefore, this valuation coincides with the acquisition value and it is concluded that the valuation of the PT6A-25C SN: PC-E26324 is the acquisition value of R\$ 662,167.14 (six hundred and sixty-two thousand, one hundred and sixty-seven reais and fourteen cents).

Result of "correction by IGP-ffl (FGV)

Start date End 01/1995
 date Nominal 06/2024
 value R\$ 662.167,14 (RCAL)
 index of correction in the period 10,57616570
 corresponding percentage
 value 957.615570 / " Corrected value on end date R\$
 7.000.189,39 (REAL)

Figure 06: Citizen's calculator.

f) Other clarifications deemed necessary:

In view of the uneconomical state of repair of the engine, the item will be used as a *core* in the *Fleet Enhancement Program (FEP)* of the company *Pratt & Whitney Canada* (engine manufacturer), as set out in letter No. 7/TMOT of June 5, 2024.

3) Engine PT6A-68C (PN:3055973-01) SAN: PCE-RS0008

a) Indication of the Number of the Term of Examination that Examined the Material: According to the Term of Examination Term No. 67115.003107/2024-79.

b) Material specification: The turboprop aero engine model PT6A-68C and SAN PCE-RS0008 from the manufacturer *Pratt & Whitney Canada* was received by the FAB on January 18, 2005. The engine has a total of 4067 flight hours, 3047 cycles and 3674 landings. Data taken from SILOMS screens CTR0114P and CTR0117P accessed on 15/07/2024 (Figures 07 and 08).

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Identificação do Material

PN 3055973-01 ENGINE PT6A-68C

Fabricante 00198 PRATT & WHITNEY CANADA CIE NSN 2840 FA0021376

SN PCE-RS0008 Alterar SN Remover C/JM Automático

Odata Fabricação 10 I Date Received

Nº Contrato Nº Carga Geral Nº Carga Parcial Proprietário

Projeto T2 Modelo PT6A-68C Status Active Liistórico Stay

Data Fabrição Ter'Po de validade

Mem gofre ca#tiração* F Siti 8 lyig Incluir na consulta Inativos

Unxlade PAMA P VI Aquição (USS)

So#cA#o 21 0 j v

BcLisão data LOSSPASS 5 3

Single data ALera@a R uO PQ / 21

Figure 07: PT6A-68C \$7N: PCE-RS0008

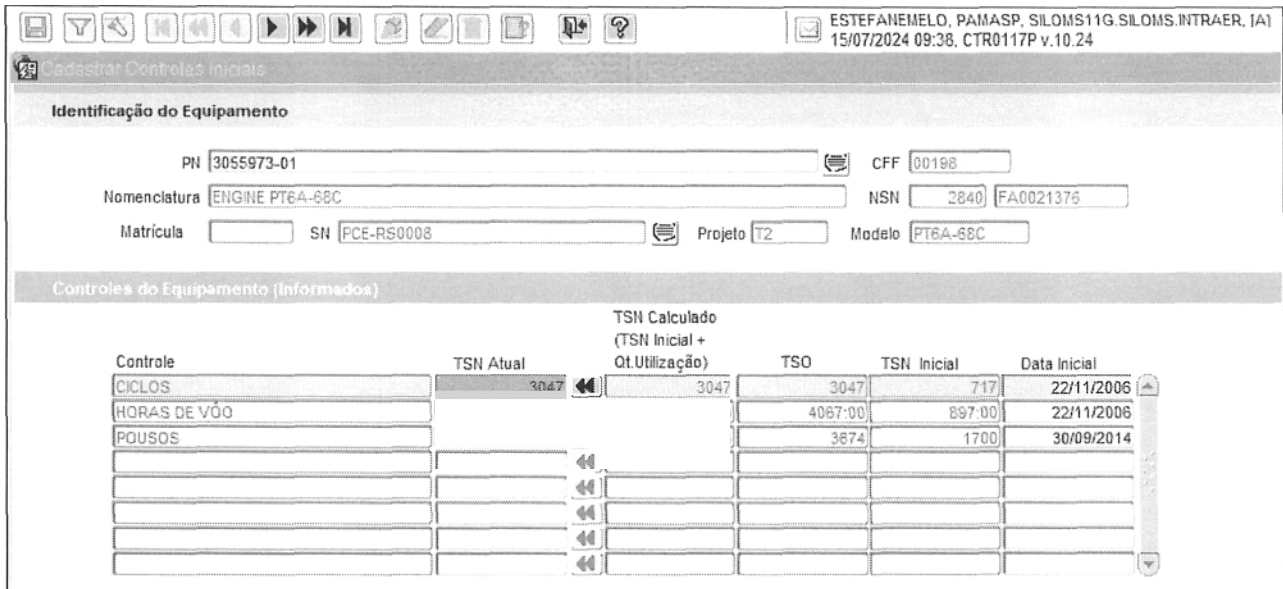


Figure 08: PT6A-68C S/N: PC E-R 50008

c) Acquisition value: R\$ 2,137,432.37 (two million, one hundred and thirty-seven thousand, four hundred and thirty-two yen and thirty-seven cents). Data taken from SILOMS screen CTR0114P accessed on 15/07/2024 (Figure 07).

d) Current value: The current value of the engine corresponds to the acquisition value of R\$2,137,432.37 (two million, one hundred and thirty-seven thousand, four hundred and thirty-two yen and thirty-seven cents).

c) Value assessed by the appointed Valuation Committee, in accordance with up-to-date prices practiced on the market:

The acquisition value of the engine is R\$ 2,137,432.37 (two million, one hundred and thirty-seven thousand. four hundred and thirty-two reais and thirty-seven cents) in 2005, and since that date no inflation index has been applied to this value.

The Term of Examination classified the iiiotoi' as "IN THE STATE - Awaiting Recovery*", as stipulated in item 17.4.1.2 of MCA 67-1/2007 (Manual de Siipi iinento) and ANTIECONOMIC, as stipulated in tetra "c" of Item 2.14.8.1.1, Electronic Manual for the Adininsti'on of Pati'iiiionial Assets, Section D, of RADA-e, RCA 12-1, updated on April 16, 2024.

Pot' is perniant permanent property considered uneconomical and classified according to the account 12311.01.14 of item 7.4.18.2 of the Eleti'onic Manual for Budgetary, Financial and Pati iiuonial Execution (RADA-e), the equivalent of a residual value of 10% (ten percent) was obtained, therefore a total of R\$ 213,74.23 (two hundred and thirteen nails, seven hundred and fourty-three reais and twenty-three cents).

However, if the application of the General Market Price Index (IGP-M) is taken into account, the current value will be R\$ 7,338,249.91 (seven billion, three hundred and thirty-eight thousand, two hundred and fifty-nine reais and ninety-one cents), according to the calculation made on the citizen's calculator on the Batico Central website (Fig. 03).

As time passes, the engine shows signs of wear. Applying the depreciation index from account 12311.01.14 in item 7.4.18.2 of the Electronic Manual for Budgetary, Financial and Property Execution (RADA-e) to that value gives a residual value of R\$ 733,824.99 (seven hundred and thirty-three thousand, eight hundred and eighty-four euros and ninety-nine cents).

Therefore, this valuation commission considers this value to be compatible with the values practiced in the market.

and concludes that the valuation of the PT6A-68C S/iV: PCE-RS0008 engine is R\$ 733,824.99 (seven hundred and thirty-three thousand, eight hundred and twenty-four reais and ninety-nine

cents).

Resultado da Correção pelo TGP-M (FGV)	
Dados básicos da correção pelo TGP-M (FGV)	
Start date End	0t/2005
date Nominal	06/2024
value	R\$ 2.137.432,37 (REAL)
Correction index for the period	3,43320800
correspondingpercentage	
value 243.320800%	Corrected value on the end dateR\$
	7.338.249,91 (REAL)

Figure 09: Citizen's calculator.

f) Other clarifications deemed necessary:

In view of the uneconomical state of repair of the engine, the item will be used as a *core* in the *Fleet Enhancement Program (FEP) of Pratt & Whitney Canada* (engine manufacturer), as stated in letter No. 7/TMOT of June 5, 2024.

And for the record, these Minutes have been adopted.

São Paulo, July 15, 2024.

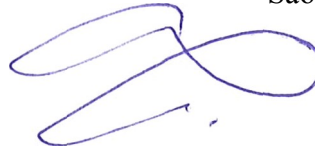
^C " ESTÉFANE CAVALCANTE DA SILVA MELO IT QOENG MEC
President

" " ANDRÉ LUIZ DA CUNHA BENTO 2S QSS BMA
Member

^{K A} ^{1-Jw} KIEBER WENILSON MAEDO CHAVES 3S QSS BMA
Meiibro

Conferred by:

São Paulo, July 15, 2024.



CARLOS AUGUSTO JUNIOR Col RI INT
InterTlo Conti ole Agent



Order from the Chief Executive:

In view of the conclusion reached by the aforementioned committee, I hereby order that this decision be published in the Internal Bulletin and that the sale process be continued in accordance with the relevant legislation.

I approve:

São Paulo, July 15, 2024.


MARCELO RODRIGUES DOS REIS P
Dirigente Máximo


TES CEL AV