



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

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

The following Commission, appointed by Portaria PAMASP n° 181/DCIN, of June 18, 2024, published in the Boletim Inteiro 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 Administration 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 engines PT6A-25C S/N: PC-E26130, PT6A-25C S/N: PC-E26324 and PT6A-68C S/N: PCE-RS0008, contained in Material Exame Termo No. 67115.003107/2024-79.

Having carried out the necessary examinations and due diligence on the materials 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 Pratt & Whitney Canada Inc. 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).

The screenshot displays the 'Identificação do Material' and 'Identificação do Item' sections of the SILOMS system. The 'Identificação do Material' section shows the Part Number (PN) as 3101200-01 and the description as 'ENGENHE PT6A-25C'. The manufacturer is listed as PRATT & WHITNEY CANADA CE with NSN 2840 and FA0037981. The 'Identificação do Item' section shows the Serial Number (SN) as PC-E26130, with a 'Data Fabricação' of 18/06/1985 and 'Data Recebimento' of 18/06/1985. The engine is identified as 'Projeto T1' and 'Modelo PT6A-25C' with a status of 'Ativo'. Acquisition data includes 'Unidade PAMASP', 'VI Aquisição (US\$) 120.356,96', and 'VI Aquisição R\$ 568.084,85'. The 'Dados Inclusão' section shows the user 'SO GILBERTO' and the date '21/09/2005 15:09:32'.

Figure 0.1 : PT6A-25 C S/A: PC-E26130.

ESTEFANEMELO, PAMASP, SILOMS11G.SILOMS.INTRAER, IAJ
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 (Informados)

Controle	TSN Atual	TSN Calculado (TSN Inicial + Qt.Utilização)	TSO	TSN Inicial	Data Inicial
CICLOS	8671	6671	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 Examiners classified the engine as "NO ESTADO - Aguardando Recuperação", as prescribed by item 17.4.1.2 of MCA 67-1/2007 (Manual de Inventário) and ANTI ECONOMIC, according to the classification contained in letter "c", of Item 2.14.8.1.1, Electronic 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 Patriarchal 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 eighty-eight reais and eighty-eight cents).

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 00).

According to Examinee'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 Electronic 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 engine PT6A-25C S/N: PC-E26130 is the residual value 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	
Inlcial 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 6.00B. 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).



ESTEFANEKIELO. PAFãASP, SLOMS11G.SLOIJS.MTRAER. JAI
15/07/2024 08:21. CTR0114P v.10.39

Ph 012 1 *ECQGE6A

Fabricante 00198 PRATT & WHITNEY CANADA CIE NSN 2640 FA0037981

SN PC-E26324 Altera SN Remover CJM Automático

Date F8bÊCaçõ 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

VersêD 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

ESTEFANEMELO, PAMASP, SILOMS11G.SILOMS.INTRAER, JAI
15/07/2024 08:45, CTR0117P v.10.24

Adastar Consoles Iniciais

Identificação do Equipamento

PN 3101200-01 CFF 00198
 Nomenclatura ENGINE PT6A-25C NSN 2840 FA0037981
 Matrícula 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	3064	2580	01/01/2004
HORAS DE VOO	7148.50	7148.50	3484.15	2659.00	01/01/2004
MESES DE USO INSTALADO	95	97	97.33	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).

[Handwritten signatures and initials]

Result of correction by IGP-ffi (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 CTR01 17P accessed on 15/07/2024 (Figures 07 and 08).

ESTEFANEMELO, PAMASP 15/07/2024 09:35. CTR0114P v.1fi.39 IG.SLOHS.MTRAER. fAt

Identificação do Material

PN 3055973-01 ENGINE PT6A-68C

Fabricante 00198 PRATT & WHITNEY CANADA DE NSN 2840 FA0021378

SN PCE-RS0008 Altera SN Remover CJM Automático

Oata Fabrição 1 0 I Date Received

Nº Contrato Nº Carga Geral Nº Carga Parcial Proprietário

Projeto T2 Modelo PT6A-68C Status Active Histórico Stay

Dala Fabrição Ter'Po de va'iaac

Mem gofre ca'rtiração* F Siti 8 lyig Incluir na consulta Inativos

Unxlade |PAMA P VI Aquibção (USS)

So#ca#o 21 0 j V

BcLisão data LOSSPASS 5 3

Single data ALera@a R uO PQ / 2 1

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

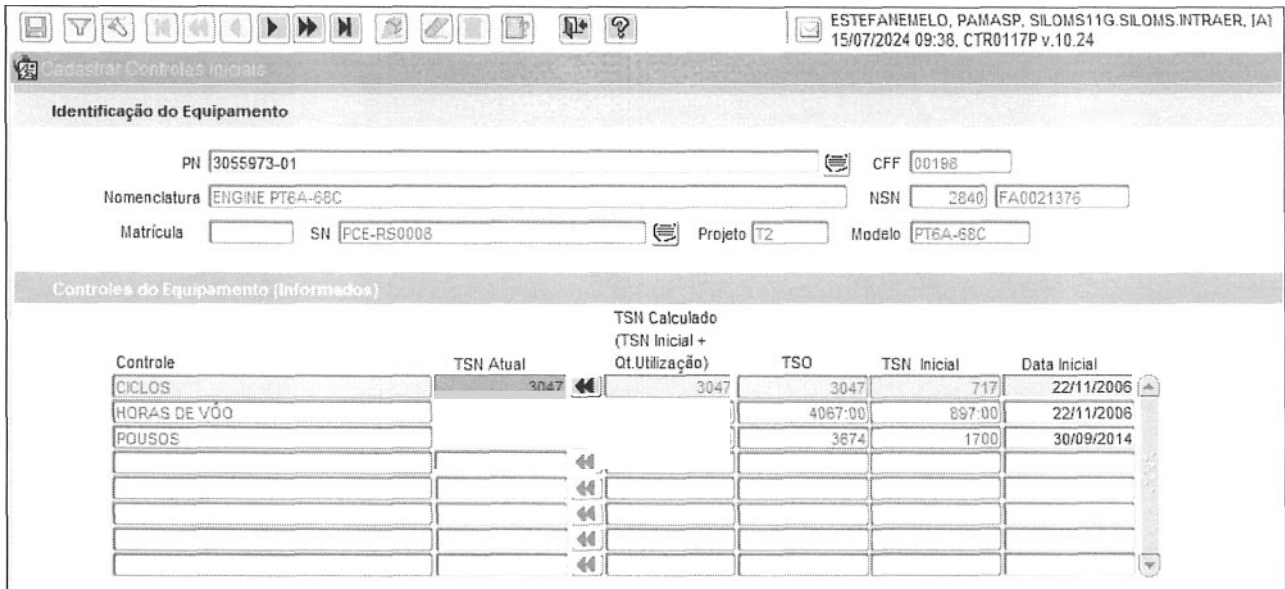


Figure 08: PT6A-68C S/N: PC E-R 50008

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 property considered uneconomical and classified according to the account 12311.01.14 of item 7.4.18.2 of the Eleti'onik 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 IGP-M (FGV)

Dados básicos da correção pelo IGP-M (FGV)

Start date End 01/2005
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.

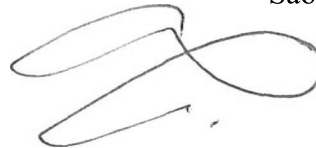
^C " " " "
ESTÉFANE CAVALCANTE DA SILVA MELO IT QOENG MEC
President

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

K A y. 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


TÉS CEL AV






MINISTÉRIO DA DEFESA
COMANDO DA AERONÁUTICA

CONTROLE DE ASSINATURAS ELETRÔNICAS DO DOCUMENTO

Documento:	BP 240623A - ANEXO V - Termo de Avaliação EN
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Este documento foi assinado e conferido eletronicamente com fundamento no artigo 6º, do Decreto nº 8.539 de 08/10/2015 da Presidência da República pelos assinantes abaixo:

Assinado via ASSINATURA CADASTRAL por Ten Cel Int RONALD WILLIAM TURQUE DE ARAUJO no dia 09/01/2025 às 16:59:10 no horário oficial de Brasília.

Assinado via ASSINATURA CADASTRAL por Cel JANO FERREIRA DOS SANTOS no dia 09/01/2025 às 19:02:25 no horário oficial de Brasília.