| 1. Approving Civil Aviation Authority/Country | 2. | 3. Form Tracking No. |
|---|---|---|
| Transport Canada | AUTHORIZED RELEASE CERTIFICATE<br>FORM ONE | ARCTA2043487 |

**4. Organization name and address**

StandardAero

STANDARD AERO
707 FLIGHT ROAD
WINNIPEG, MANITOBA, CANADA, R3H 1C6 AMO 22-58

**5. Work Order/Contract/Invoice**

TA101406

| 6. Item | 7. Description | 8. Part No. | 9. Qty. | 10. Serial/batch No. | 11. Status/Work |
|---|---|---|---|---|---|
| 1 | MODULE, POWER TURBINE 2B | 70BM041720 | 1 | 878TEC | Repaired |

**12. Remarks**

TSN: 10095.86 hrs TSO: 223.26 hrs CSN: 7803.51 cy CSO: 414.36 cy

For TU's and SB's applied: refer to Log Card.

Refer to Service Bulletin and/or Airworthiness Directive Report for AD compliances.

Additional Comments:
The product identified has been repaired and tested in accordance with Safran HE Arriel 2 Overhaul Manual NO. X 292 R1 500 2 update 31 dated 30 Dec. 2025 and the current maintenance rules of the Canadian Aviation Regulations. The product is approved for return to service in compliance with CAR 571. All pertinent details of the work performed are on file at this organization under Work Order No. TA101406.

**13a. Certifies that the items identified above were manfactured in conformity to:**

☐ Approved design data and are in condition for safe operation.

☐ Non-approved design data specified in block 12.

**14a.** ☒ **CAR 571.10 Maintenance release.**

☐ **Other regulations specified in block 12.**

**Certifies that, except where otherwise specified in block 12, the work identified in block 11 and described in block 12 was performed in accordance with Canadian Aviation Regulations.**

| 13b. Signature | 13c. Approved Organization Number | 14b. Signature | 14c. Approved Organization Number |
|---|---|---|---|
| N/A | N/A | | AMO 22-58 |
| **13d. Name** | **13e. Date (dd/mmm/yyyy)** | **14d. Name** | **14e. Date (dd/mmm/yyyy)** |
| N/A | N/A | DORIS MAURICIO | 28-Oct-2026 |

1. This document does not constitute authority to install part.
2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in block 1.
3. Statements 13a and 14a do not constitute installation certification. In all cases the aircraft technical record must contain an installation certification, issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.

(Previously Form 24-0078)

| Log card n° / *Fiche N°* | 5 |
|---|---|

# LOG CARD / *FICHE MATRICULE*



**MATERIAL IDENTIFICATION** / *IDENTIFICATION DU MATERIEL*

| | | | | | |
|---|---|---|---|---|---|
| **DESIGNATION** | **MODULE, POWER TURBINE** *MODULE TURBINE LIBRE* | **P/N** **P/N OTAN** | **70BM041720** | **MANUFACTURER** / *FABRICANT* | **SAFRAN HELICOPTER ENGINES** |
| **FAMILY TYPE** / *FAMILLE TYPE* | **ARRIEL 2** | **S/N** | **878TEC** | **MANUF. CODE** / *CODE FABRICANT* | / |

| **WORKS CARRIED OUT** / *TRAVAUX EFFECTUES* | **REMARKS** / *RENSEIGNEMENTS PARTICULIERS* |
|---|---|
| **Repaired under W/O TA101406.**<br>**Up to PI 600 hours included.** | **"LOBED POWER TURBINE SHROUD"** |
| **According Maintenance manual** / *Suivant manuel de maintenance :* **X 292 M5 450 2 R57** | **Service Letter** / *Lettre Service :* |

| **FATHER ITEM** / *ITEM PÈRE* | **TBO** / *Potentiel HEURES* | **HOURS since new** / *HEURES depuis neuf* | **HOURS since overhaul** / *HEURES depuis révision* | **Remaining HOURS** / *Dispo. HEURES* | **Remaining CYCLES** / *Dispo. CYCLES* | | | **Remaining creep damage (Point or %)** / *Disponibilité Endofluage (Point ou%)* |
|---|---|---|---|---|---|---|---|---|
| | **3500** | **10095.86** | **223.26** | **3276.74** | | **HP** / *HP* | / | / |
| | | | | | | **PT** / *TL* | **8297.49** | |
| | | | | | | **MGB** / *BTP* | / | |

**USE OR LIFE LIMITED PARTS OR SUB-COMPONENTS** / *PIECES A VIE-LIMITE OU A LIMITE D'UTILISATION OU SOUS-COMPOSANTS*

| **DESIGNATION** | **P/N** | **S/N** | **Total run HOURS** / *HEURES de fct. Total* | **Remaining HOURS** / *Dispo. HEURES* | **Total CYCLES carried out** / *CYCLES eff. Total* | **Remaining CYCLES** / *Dispo. CYCLES* | **Total creep damage** / *Endofluage total* |
|---|---|---|---|---|---|---|---|
| **POWER TURBINE DISK** *DISQUE TURBINE LIBRE* | **2292810310** | **APJ2082XG** | / | / | **7803.51** | **14196.49** | / |
| **POWER TURBINE BLADE** *PALE TURBINE LIBRE* | **229281A010** | **165759** | **3722.96** | **3277.04** | **1702.51** | **8297.49** | / |
| **POWER TUBINE NUT** *ECROU TURBINE LIBRE* | **0292810450** | **4368** | **223.26** | **3276.74** | / | / | / |
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# LOG CARD / *FICHE MATRICULE*

## MODIFICATIONS AND SERVICE BULLETIN APPLIED AT TIME OF DELIVERY / *ETAT DES MODIFICATIONS ET SERVICE BULLETINS APPLIQUES A LA LIVRAISON*

| MODIF | Service Bulletin | Modif | Service Bulletin | Modif | Service Bulletin | Modif | Service Bulletin | Modif | Service Bulletin | Modif | Service Bulletin | Modif | Service Bulletin | Modif | Service Bulletin |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TU4A | Base | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| TU6A | 292 72 2006 R1 | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| TU46A | 292 72 2046_B | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| TU146A | 292 72 2146 R1 | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| TU213 | 292 72 2213_B | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| TU215 | 292 72 2215_A | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| TU216 | 292 72 2216_A | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| / | 292 72 2867_A | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| / | 292 71 2864_C | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
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## AIRWORTHINESS DIRECTIVES APPLIED AT TIME OF DELIVERY / *ETAT DES CONSIGNES DE NAVIGABILITE APPLIQUEES A LA LIVRAISON*

| A.D. / *N° C.N.* EASA | A.D. / *N° C.N.* FAA | A.D. / *N° C.N.* Local | A.D. / *N° C.N.* EASA | A.D. / *N° C.N.* FAA | A.D. / *N° C.N.* Local | A.D. / *N° C.N.* EASA | A.D. / *N° C.N.* FAA | A.D. / *N° C.N.* Local |
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**Hours and cycles realised at test bench but not count up into availability status, in accordance with cct 6100 or RTC. /**
*Heures et cycles realises au banc d'essai mais non pris en compte dans l'etat de disponibilite en accord avec le cct 6100 ou RTC.*

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HOURS / *HEURES* | 3.50 | | | | HOURS / *HEURES* | | | | | HOURS / *HEURES* | | | | |
| CYCLES | HP / *HP* | / | PT / *TL* | 6.49 | CYCLES | HP / *HP* | | PT / *TL* | | CYCLES | HP / *HP* | | PT / *TL* | |

| Authorized Approval / *Contrôle Habilité* | | |
|---|---|---|
| **Date** | **Signature** | **Stamp / *Tampon*** |
| 28-Oct-2026 | | SAL AMO 22-58 |

| Log card n° / *Fiche N°* | 5 |
|---|---|

# LOG CARD / *FICHE MATRICULE*



**MATERIAL IDENTIFICATION** / *IDENTIFICATION DU MATERIEL*

| | | | | | |
|---|---|---|---|---|---|
| **DESIGNATION** | **MODULE, POWER TURBINE** *MODULE TURBINE LIBRE* | **P/N P/N OTAN** | **70BM041720** | **MANUFACTURER /** *FABRICANT* | **SAFRAN HELICOPTER ENGINES** |
| **FAMILY TYPE /** *FAMILLE TYPE* | **ARRIEL 2** | **S/N** | **878TEC** | **MANUF. CODE /** *CODE FABRICANT* | / |

| **Calendar Limit or Visit Value /** *Valeur de la limite ou Visite Calendaire* | **Date for first entry into service /** *Date 1ère mise en service* | **Operation limit date /** *Date limite d'utilisation* |
|---|---|---|
| / | / | / |

**MODIFICATIONS, SERVICE BULLETINS & AIRWORTHINESS DIRECTIVES APPLIED OR REMOVED BY OPERATOR /**
*MODIFICATIONS, SERVICE BULLETINS ET CONSIGNE DE NAVIGABILITE APPLIQUES OU SUPPRIMES PAR L'UTILISATEUR*

| **DATE** | Applied / Appliqué | Removed / Supprimé | **A.D. / N° C.N.** | | | **Service Bulletin** | **Modification** | **DESCRIPTION - COMMENTS /** *DESCRIPTION - COMMENTAIRES* | **Signature - Stamp /** *Signature - Tampon* |
|---|---|---|---|---|---|---|---|---|---|
| | | | **EASA** | **FAA** | **Local** | | | | |
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**LIFE LIMITED OR USE LIMITED PARTS REPLACED BY OPERATOR OR LIFE LIMIT EVOLUTION /**
PIECES A VIE LIMITE OU A LIMITE D'UTILISATION REMPLACEES PAR L'UTILISATEUR OU EVOLUTION DE VIE LIMITE

| **DATE** | Installation | Removal | **DESIGNATION** | **P/N** | **S/N** | **HOURS /** *Total HEURES* | **Total CYCLES** | **Remaining HOURS /** *Dispo. HEURES* | **Remaining CYCLES /** *Dispo. CYCLES* | **Creep damage /** *Endofluage* | **Signature - Stamp /** *Signature Tampon* |
|---|---|---|---|---|---|---|---|---|---|---|---|
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# LOG CARD / *FICHE MATRICULE*



## MAINTENANCES - WORKS CARRIED OUT - TRANSFERS / *MAINTENANCES - TRAVAUX EFFECTUES - MOUVEMENTS*

| DATE | Installation | Removal / *Depose* | Engine Counter Since New / *Moteur compteur depuis neuf* | | | | | Equipment Counter Since ~~New or~~ Overhaul / *Equipement compteur depuis neuf ou révision* | | | | | | | Observations - Works carried out *Observations - Travaux effectués* & Signature - Stamp *Signature - Tampon* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Variant-Version / *Variant-version* | S/N | HOURS *HEURES* | CYCLES HP *HP* | CYCLES PT *TL* | HOURS / *HEURES* | CYCLES HP *HP* | CYCLES PT *TL* | CYCLES MGB *BTP* | Creep damage / *Endofluage* | O.E.I OEI 1 | O.E.I OEI 2 | |
| 28-Oct-2026 | | | 2B | / | / | / | / | 223.26 | / | 414.36 | / | / | / | / | Repaired SAL AMO 22-58 |
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## REMARKS / *RENSEIGNEMENTS PARTICULIERS*

**New statut of availabilities following replacement of usage limited parts and life limited parts:**
*Nouvelle disponibilité suite à remplacement de pièces à limite d'utilisation ou de pièces à vie-limite :*
- **HOURS** / *HEURES* :
- **CYCLES** :
- **Creep damage** / *Endofluage* :

**Oil Type** / *Type d'huile*

FEUILLE DE COMPOSITION, à joindre à la F.M.F.E. du module. A USAGE EXCLUSIF REPARATEUR.
COMPOSITION SHEET to be attached to the exchangeable component log card of the module. FOR USE IN REPAIR CENTRE ONLY.

StandardAero

**TYPE MOTEUR:** / ENGINE TYPE: **SAFRAN HE ARRIEL 2**

**Désignation:** / Description: **Power Turbine Assembly**

**Référence:** / Part Number: **0292817320**

Assembly Number: **ANR:** **APJ2082XG**

Serial Number: **SER:**

**Référence pales:** / Blades Part Number: **229281A010**

**Référence disque:** / Disk Part Number: **2292810310**

| N° repère montage Assembly location no. | N° individuel Serial Number | Moment statique (mm/g) * Static moment (mm/g) * | Réf. pale (si panachage) Blade Part Number (if mix) | N° repère montage Assembly location no. | N° individuel Serial Number | Moment statique (mm/g) * Static moment (mm/g) * | Réf. pale (si panachage) Blade Part Number (if mix) | N° repère montage Assembly location no. | N° individuel Serial Number | Moment statique (mm/g) * Static moment (mm/g) * | Réf. pale (si panachage) Blade Part Number (if mix) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 165759 | 27.280 | 229281A010 | 21 | 130676 | 27.650 | 229281A010 | | | | |
| 2 | 142291 | 27.768 | 229281A010 | 22 | 142283 | 27.647 | 229281A010 | | | | |
| 3 | 165703 | 27.698 | 229281A010 | 23 | 165700 | 27.715 | 229281A010 | | | | |
| 4 | 130679 | 27.683 | 229281A010 | 24 | 142289 | 27.604 | 229281A010 | | | | |
| 5 | 165818 | 27.588 | 229281A010 | 25 | 420166 | 27.818 | 229281A010 | | | | |
| 6 | 142282 | 27.665 | 229281A010 | 26 | 165839 | 27.654 | 229281A010 | | | | |
| 7 | 130675 | 27.654 | 229281A010 | 27 | 130686 | 27.343 | 229281A010 | | | | |
| 8 | 142275 | 27.640 | 229281A010 | 28 | 165821 | 27.632 | 229281A010 | | | | |
| 9 | 130678 | 27.613 | 229281A010 | 29 | 142211 | 27.618 | 229281A010 | | | | |
| 10 | 130684 | 27.629 | 229281A010 | 30 | 130685 | 27.572 | 229281A010 | | | | |
| 11 | 142246 | 27.573 | 229281A010 | 31 | 142213 | 27.548 | 229281A010 | | | | |
| 12 | 142215 | 27.542 | 229281A010 | 32 | 165734 | 27.333 | 229281A010 | | | | |
| 13 | 73566 | 27.438 | 229281A010 | 33 | 165723 | 27.512 | 229281A010 | | | | |
| 14 | 142216 | 27.437 | 229281A010 | 34 | 165744 | 27.316 | 229281A010 | | | | |
| 15 | 73567 | 27.737 | 229281A010 | 35 | 142288 | 27.536 | 229281A010 | | | | |
| 16 | 165772 | 27.285 | 229281A010 | 36 | 142223 | 27.766 | 229281A010 | | | | |
| 17 | 142217 | 27.515 | 229281A010 | 37 | 165773 | 27.577 | 229281A010 | | | | |
| 18 | 73563 | 27.658 | 229281A010 | | | | | | | | |
| 19 | 142293 | 27.577 | 229281A010 | | | | | | | | |
| 20 | 130682 | 27.537 | 229281A010 | | | | | | | | |

**Observations particulières:**
Remarks:

| Diamètre décrit par le sommet des pales: Diameter from the blades tip geometry: | | |
|---|---|---|
| | **Maximum** | **236.96 mm** |
| | **Moyen** Mean value | **236.95 mm** |

*** Si le moment statique est remplacé par la masse en gr, cocher la case =>**
*If the static moment is replaced by the blade weight in gram, tick this box => ☑

| | | | |
|---|---|---|---|
| **Date, Nom, Visa monteur :** Installer Date, Name and Stamp : | Ralph Lee | 06 Oct. 2026 | SAL AMO 22-58 |
| **Date, Nom, Visa équilibreur :** Balancer Date, Name and Stamp : | Kurt Gessner | 08 Oct. 2026 | SAL AMO 22-58 |
| **Date, Nom, Visa contrôle :** Inspector Date, Name and Stamp : | Doris Mauricio | 08 Oct. 2026 | SAL AMO 22-58 |

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| DATE | 28 Oct 2026 | SIGNATURE | | STAMP / *TAMPON* | SAL AMO 22-58 |
|---|---|---|---|---|---|

| Engine / *Moteur* | ARRIEL 2B |
|---|---|
| S/N | 878TEC |

## LIST OF FOLLOWED EQUIPMENTS AT DELIVERY / *LISTE A LA LIVRAISON DES EQUIPEMENTS SUIVIS*

**Section A**
Page A0_OEM

| DESIGNATION | P/N | S/N | Followed by Log card / *Suivi par FM* | CONSUMED / *CONSOMME* | | | | | Calendar limit / *Limite calendaire* | REMAINING / *POTENTIEL DISPONIBLE* | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | HOURS / *HEURES* | CYCLES | | | Creep Damage *Endofluage* | | HOURS / *HEURES* | CYCLES | | O.E.I | | | |
| | | | | | HP *HP* | PT *TL* | MGB *BTP* | | | | HP *HP* | PT *TL* | Thermal OEI *OEI Thermique* | | Torque OEI *OEI Couple* | |
| | | | | | | | | | | | | | OEI 1 | OEI 2 | OEI 1 | OEI 2 |
| **Turbine Libre** *Power Turbine* | 70BM041720 | 878TEC | 1 | 10095.86 | / | 7803.51 | / | / | / | 3276.74 | / | / | / | / | / | / |
| **Disque Turbine Libre** *Power Turbine Disc* | 2292810310 | APJ2082XG | / | / | / | 7803.51 | / | / | / | / | / | 14196.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 165759 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 142291 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 165703 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 130679 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 165818 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 142282 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 130675 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 142275 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 130678 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 130684 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 142246 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |

| Engine / *Moteur* | ARRIEL 2B |
|---|---|
| S/N | 878TEC |

# LIST OF FOLLOWED EQUIPMENTS AT DELIVERY / *LISTE A LA LIVRAISON DES EQUIPEMENTS SUIVIS*



| DESIGNATION | P/N | S/N | Followed by Log card / *Suivi par FM* | CONSUMED / *CONSOMME* | | | | | Calendar limit / *Limite calendaire* | REMAINING / *POTENTIEL DISPONIBLE* | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | HOURS / *HEURES* | CYCLES | | | Creep Damage *Endofluage* | | HOURS / *HEURES* | CYCLES | | O.E.I | | | |
| | | | | | HP *HP* | PT *TL* | MGB *BTP* | | | | HP *HP* | PT *TL* | Thermal OEI *OEI Thermique* | | Torque OEI *OEI Couple* | |
| | | | | | | | | | | | | | OEI 1 | OEI 2 | OEI 1 | OEI 2 |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 142215 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 73566 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 142216 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 73567 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 165772 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 142217 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 73563 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 142293 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 130682 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 130676 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 142283 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 165700 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 142289 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 420166 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |

| Engine / *Moteur* | ARRIEL 2B |
|---|---|
| S/N | 878TEC |

# LIST OF FOLLOWED EQUIPMENTS AT DELIVERY /
*LISTE A LA LIVRAISON DES EQUIPEMENTS SUIVIS*



| DESIGNATION | P/N | S/N | Followed by Log card / *Suivi par FM* | CONSUMED / *CONSOMME* | | | | | Calendar limit / *Limite calendaire* | REMAINING / *POTENTIEL DISPONIBLE* | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | HOURS / *HEURES* | CYCLES | | | Creep Damage *Endofluage* | | HOURS / *HEURES* | CYCLES | | O.E.I | | | |
| | | | | | HP *HP* | PT *TL* | MGB *BTP* | | | | HP *HP* | PT *TL* | Thermal OEI *OEI Thermique* | | Torque OEI *OEI Couple* | |
| | | | | | | | | | | | | | OEI 1 | OEI 2 | OEI 1 | OEI 2 |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 165839 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 130686 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 165821 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 142211 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 130685 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 142213 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 165734 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 165723 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 165744 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 142288 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 142223 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Pale Turbine Libre** *Power Turbine Blade* | 229281A010 | 165773 | / | 3722.96 | / | 1702.51 | / | / | / | 3277.04 | / | 8297.49 | / | / | / | / |
| **Ecrou Turbine Libre** *Power Turbine Nut* | 0292810450 | 4368 | / | 223.26 | / | / | / | / | / | 3276.74 | / | / | / | / | / | / |
| | | | | | | | | | | | | | | | | |

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StandardAero

# Service Bulletin and/or Airworthiness Directive Report

**Customer** ROTOR PARTS NETWORK, LLC **TCN** TA101406 **Serial #** 878TEC **Model** 2B

**Airworthiness Directive**

| Reference | Description | Revision | Status | Record | Notes |
|---|---|---|---|---|---|
| EASA 2009-0112R1 | ENGINE - MODULE M04 (POWER TURBINE) POWER TURBINE BLADES - LIFE LIMIT / REPLACEMENT<br>THIS AD REVISES EASA AD 2009-0112, DATED 18 MAY 2009 WHICH SUPERSEDED EASA AD 2009-0068-E, DATED 25 MARCH 2009 | 1 | N/A | P | N/A to PT Wheel Assy S/N: APJ2082XG & M04 S/N: 878TEC. |
| EASA 2011-0218R1 | ENGINE - MODULE M04 (POWER TURBINE) / POWER TURBINE BLADES - LIFE LIMIT / REPLACEMENT | 1 | N/A | P | PT Blades replaced. Verify S/N. N/A to S/N. |
| US 2009-08-08R1 | PREVENT RELEASE OF PT BLADES, COULD RESULT IN UNCOMMANDED INFLIGHT SHUTDOWN.<br>(ARRIEL 1B-1D-1D1-2B-2B1 ENGINES) | 1 | N/A | P | N/A to M04 S/N: APJ2082XG & M04 S/N: 878TEC |
| US 2012-08-18 | REMOVE AFFECTED PT BLADES FROM SERVICE ON OR BEFORE REACHING NEW REDUCED LIFE LIMIT.<br>(ARRIEL 2B-2B1 ENGINES) | 0 | N/A | P | PT blades replaced. Verify S/N. N/A to S/N. |

**Date:** 28-Oct-2026

**Inspector:** DORIS MAURICIO

**Signature:** _____ SAL AMO 22-58

Legend: A = Archived P = Production

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# ARRIEL ENGINE/MODULE STORAGE

StandardAero

**ENGINE VARIANT:** ARRIEL 2B

**DATE:** 29 OCT 2026

**NAME:** KYLE.L **STAMP:** KL

◯ **ENGINE S/N:** N/A

(✓) **MODULE P/N:** 70BM041720 **S/N:** 878TEC

| ANTI-SHOCK PROTECTION | ANTI-CORROSION PROTECTION | LIMITED TERM OF STORAGE (UNDER COVER) | CONTROL PERIODICITY | |
|---|---|---|---|---|
| **NO WEATHERPROOF PACKAGING** (*e.g., Bare, painted, outer laminate or plastic-coated wooden box*) | Heat sealed VCI cover | 2 years | Repackaging (after LTS) | ✓ |
| | Sealed polyethylene cover + Desiccant bags | 2 years extendable to 5 years | Inspect every month after the 2nd year | ◯ |
| **WEATHERPROOF and NON-PRESSURIZED PACKAGING** (*e.g., Inner AND outer laminate wooden box, polyester container, non-pressurized metallic container*) | Desiccant bags | 5 years | Every month after the 2nd year | ◯ |
| **PRESSURIZED PACKAGING** (*e.g., Pressurized metallic container*) | Desiccant bags | 5 years | 1 week after packaging then every 6 months | ◯ |

***NOTE:*** *At the end of 5 years of storage, an operation on a test bench or a ground run on a helicopter has to be made on the engine/module (according to the Maintenance Manuals), providing conditions stated in overhaul manual are complied with.*

**CONTROL OF PACKAGING:**
"TYPE": indicate "**C**" for Conforming / indicate "**R**" for Repackaged

| No. | TYPE | DATE | STAMP | No. | TYPE | DATE | STAMP |
|---|---|---|---|---|---|---|---|
| 1 | | | | 5 | | | |
| 2 | | | | 6 | | | |
| 3 | | | | 7 | | | |
| 4 | | | | 8 | | | |

Owner Approval: Kris Gutoski

Quality Approval: Chris Lodon

N° 4

# FICHE MATRICULE DE FOURNITURE ECHANGEABLE / *EXCHANGEABLE COMPONENT LOG CARD*

**FMFE 1**

| IDENTIFICATION DE LA FOURNITURE / IDENTIFICATION OF COMPONENT | |
|---|---|
| **Désignation** *Identity* | **MODULE TURBINE LIBRE** *MODULE,POWER TURBINE* |
| **Référence** / *P/N* | **70BM041720** |
| **N° de série** / *S/N* | **878TEC** |
| **Fabricant** / *Manufacturer* | **SAFRAN Helicopter Engines** |
| **Type de moteur** / Engine Type | **ARRIEL 2** |

**Cette fiche est affectée à tout module ou composant à vie-limite ou potentiel pouvant être échangé par l'utilisateur.**
**Elle doit accompagner la fourniture dans tous ses mouvements et est remplacée si nécessaire lors du retour de celle-ci chez l'industriel (ou Réparateur Agrée SAFRAN HELICOPTER ENGINES). Elle doit être insérée dans le livret du moteur sur lequel la fourniture est installée.**

*This card is used for any module or item with limited life or T.B.O. which can be exchanged by the operator. It must accompany the component in all its movements, and will be replaced if necessary when the component is returned to the manufacturer (or to an Approved SAFRAN HELICOPTER ENGINES Overhaul Facility).*
*This card should be inserted in the engine log book on which the component is installed.*

| TRAVAUX EFFECTUES *WORKS CARRIED OUT* | RENSEIGNEMENTS PARTICULIERS / *REMARKS* | STOCKAGE / *STORAGE* |
|---|---|---|
| **REVISE selon O/S 219116**<br>**OVERHAULED under W/O 219116** | | **LONGUE DURÉE /** *LONG TERM* |

## DISPONIBILITE / *AVAILABLE LIFE*

MODULE - PIECES A VIE LIMITE / *Life limited parts* - PIECES A LIMITE D'UTILISATION / *Use limited parts*

| Suivant manuel de maintenance: According Maintenance manual : | **X292N54502** | **Lettre Service :** *Service Letter :* | / |
|---|---|---|---|

| POTENTIEL CALENDAIRE *TIME FOR THE CALENDAR LIMIT* | DATE 1ère MISE EN SERVICE *DATE FOR FIRST ENTRY INTO SERVICE* | DATE LIMITE D'UTILISATION *LIMITED DATE FOR USAGE* |
|---|---|---|
| / | / | / |

## FONCTIONNEMENT A LA LIVRAISON / *LIFE USED AT TIME OF DELIVERY*

| MODULE | POTENTIEL *TBO* | HEURES NEUF *HOURS NEW* | HEURES depuis révision *HOURS since overhaul* | Disponibilité en heures *Remaining hours* | Disponibilité en cycles GEN *Remaining cycles GG* | Disponibilité en cycles TL *Remaining cycles FT* | Disponibilité Endofluage Point % *Remaining creep damage* |
|---|---|---|---|---|---|---|---|
| | **3500.00** | **9872.60** | **0.00** | **3500.00** | / | **8711.85** | / |

| PIECES *PARTS* | R | DESIGNATION *IDENTITY* | REFERENCE *P/N* | N° Série *S/N* | Heures de fct. Total *Total run hours* | Disponibilité en heures *Remaining hours* | Cycles eff. Total *Total cycles carried out* | Disponibilité en cycles *Remaining cycles* | Endofluage total *Total creep damage* |
|---|---|---|---|---|---|---|---|---|---|
| Pièces à vie-limite *Life limited parts* | 1 | DISQUE TURBINE LIBRE *DISK,POWER TURBINE* | 2292810310 | APJ2082XG | / | / | 7389.15 | 14610.85 | / |
| | 2 | / / | / | / | / | / | / | / | / |
| | 3 | / / | / | / | / | / | / | / | / |
| | 4 | / / | / | / | / | / | / | / | / |
| | 5 | / / | / | / | / | / | / | / | / |
| Pièces à limite d'utilisation *Use limited parts* | 6 | ECROU TURBINE LIBRE *NUT,POWER TURBINE* | 0292810450 | 4368 | 0.00 | 3500.00 | / | / | / |
| | 7 | PALE TURBINE LIBRE *BLADE,POWER TURBINE* | 229281A010 | 73563 | 3499.70 | 3500.30 | 1288.15 | 8711.85 | / |
| | 8 | / / | / | / | / | / | / | / | / |
| | 9 | / / | / | / | / | / | / | / | / |
| | 10 | / / | / | / | / | / | / | / | / |
| | 11 | / / | / | / | / | / | / | / | / |
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| | 17 | / / | / | / | / | / | / | / | / |
| | 18 | / / | / | / | / | / | / | / | / |

## ETAT DES MODIFICATIONS ET SERVICE BULLETINS APPLIQUES AU MODULE A LA LIVRAISON
*MODIFICATIONS AND SERVICE BULLETIN APPLIED ON THE MODULE AT TIME OF DELIVERY*

| MODIF | SERVICE BULLETIN | MODIF | SERVICE BULLETIN | MODIF | SERVICE BULLETIN | MODIF | SERVICE BULLETIN | MODIF | SERVICE BULLETIN | MODIF | SERVICE BULLETIN |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TU004A | / | / | / | / | / | / | / | / | / | / | / |
| TU006A | 292_72_2006 | / | / | / | / | / | / | / | / | / | / |
| TU046A | 292_72_2046 | / | / | / | / | / | / | / | / | / | / |
| TU146A | 292_72_2146 | / | / | / | / | / | / | / | / | / | / |
| TU213 | 292_72_2213 | / | / | / | / | / | / | / | / | / | / |
| TU215 | 292_72_2215 | / | / | / | / | / | / | / | / | / | / |
| TU216 | 292_72_2216 | / | / | / | / | / | / | / | / | / | / |
| / | 292 71 2853 | / | / | / | / | / | / | / | / | / | / |
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## ETAT DES CONSIGNES DE NAVIGABILITE APPLIQUEES A LA LIVRAISON
*AIRWORTHINESS DIRECTIVES APPLIED AT TIME OF DELIVERY*

| N° CN / AD DGAC / EASA | AD FAA | Local AD | N° CN / AD DGAC / EASA | AD FAA | Local AD | N° CN / AD DGAC / EASA | AD FAA | Local AD |
|---|---|---|---|---|---|---|---|---|
| / | / | / | / | / | / | / | / | / |
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| / | / | / | / | / | / | / | / | / |

## HEURES ET CYCLES REALISES AU BANC D'ESSAI MAIS NON PRIS EN COMPTE DANS L'ETAT DE DISPONIBILITE EN ACCORD AVEC LE CCT 6100 ou RTC.

Hours and cycles realised at test bench but not count up into availability status, in accordance with CCT 6100 or RTC.

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HEURES *HOURS* | 2.33 | | | HEURES *HOURS* | | | | HEURES *HOURS* | | | |
| CYCLES | GN *GG* / | TL *FT* 5.00 | | CYCLES | GN *GG* | TL *FT* | | CYCLES | GN *GG* | TL *FT* | |
| HEURES *HOURS* | | | | HEURES *HOURS* | | | | HEURES *HOURS* | | | |
| CYCLES | GN *GG* | TL *FT* | | CYCLES | GN *GG* | TL *FT* | | CYCLES | GN *GG* | TL *FT* | |

| | | |
|---|---|---|
| **Le signataire certifie que cette fourniture a été construite ou révisée conformément aux règles, a satisfait aux épreuves de réception et peut-être mise en service sous réserve du respect des consignes des Manuels agréés.**<br>**SI CETTE FOURNITURE A SUBI UN ACCIDENT, ELLE DOIT ETRE INSPECTEE ET RECEPTIONNEE PAR UN CENTRE AGREE PAR SAFRAN HELICOPTER ENGINES AVANT D'ETRE REMISE EN SERVICE.**<br>**L'utilisateur est averti que l'utilisation en service d'un moteur - ou un composant - qui a subi un accident et n'a pas été inspecté et réceptionné par un centre agréé par SAFRAN HELICOPTER ENGINES engage sa propre responsabilité.**<br>*The undersign certifies that the component described above has been manufactured or overhauled in accordance with applicable regulations, has completed all required acceptance testing and is approved for use in accordance with applicable operating and maintenance instructions.*<br>*IF THIS COMPONENT HAS BEEN INVOLVED IN AN ACCIDENT, IT SHOULD BE INSPECTED AND APPROVED BY AN APPROVED SAFRAN HELICOPTER ENGINES OVERHAUL FACILITY BEFORE RETURNING IT TO SERVICE.*<br>*Operators are warned that placing an engine - or a component - into service that has been involved in an accident and has not subsequently been inspected and approved for return to service by an approved SAFRAN HELICOPTER ENGINES overhaul facility is done strictly at the risk of the owner / operator.* | **L'Industriel / Réparateur agrée**<br>*The Manufacturer / Approved overhaul facility*<br>**Date**<br>05 JAN 2022<br>**Signature**<br>**Tampon / Stamp**<br>HEB 535 | **Contrôle Habilité**<br>*Authorized Approval*<br>**Date**<br>05 JAN 2022<br>**Signature**<br>**Tampon / Stamp**<br>HEB 135 |

N° 4

# FICHE MATRICULE DE FOURNITURE ECHANGEABLE / *EXCHANGEABLE COMPONENT LOG CARD*

**FMFE 3/U**

| IDENTIFICATION DE LA FOURNITURE / IDENTIFICATION OF COMPONENT | |
|---|---|
| **Désignation** *Identity* | **MODULE TURBINE LIBRE** *MODULE,POWER TURBINE* |
| **Référence** / *P/N* | **70BM041720** |
| **N° de série** / *S/N* | **878TEC** |
| **Fabricant** / *Manufacturer* | **SAFRAN Helicopter Engines** |
| **Type de moteur** / Engine Type | **ARRIEL 2** |

**Cette fiche est affectée à tout module ou composant à vie-limite ou potentiel pouvant être échangé par l'utilisateur. Elle doit accompagner la fourniture dans tous ses mouvements et est remplacée si nécessaire lors du retour de celle-ci chez l'industriel (ou Réparateur Agrée SAFRAN HELICOPTER ENGINES). Elle doit être insérée dans le livret du moteur sur lequel la fourniture est installée.**

*This card is used for any module or item with limited life or T.B.O. which can be exchanged by the operator. It must accompany the component in all its returned to the manufacturer (or to an Approved SAFRAN HELICOPTER ENGINES Overhaul Facility). This card should be inserted in the engine log book on which the component is installed.*

## MOUVEMENTS / *TRANSFERS*

| Motif *Reason* | Moteur / *Engine* Fonctionnement depuis neuf ou révision *Operation since new or overhaul* | | | Fourniture / *Component* Fonctionnement depuis ~~neuf ou~~ révision / *Operation since ~~new or~~ overhaul* | | | | | | Utilisateur *User* | Date - Signature - Tampon / *Stamp* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Variante *Version* | S/N | Heures *Hours* | Heures *Hours* | Cycles GEN *GG* | Cycles TL *FT* | Endofluage *Creep damage* | O.E.I *Cf. Guide U441 OEI 1** | O.E.I OEI2* | | |
| LIVRAISON Delivered | / | / | / | 0.00 | / | 0.00 | / | / | / | SAFRAN HEB | 05 JAN 2022 |
| Installed | 2S1 | 20547EC | 6782.36 | 0 | 0 | 0 | — | — | — | PHI | 3-30-22 |
| REMOVED | 2S1 | 20910 TEC | 7005.62 | 223.26 | — | 414.36 | / | / | / | SAL | 28-MAY-2026 SAL2868 |
| | | | | | | | | | | | |
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## ETAT DES MODIFICATIONS ET SERVICE BULLETINS APPLIQUES PAR L'UTILISATEUR / *MODIFICATIONS AND BULLETIN SERVICES APPLIED BY OPERATOR*

| MODIF | SERVICE BULLETIN | DATE | Signature - Tampon / *Stamp* | MODIF | SERVICE BULLETIN | DATE | Signature - Tampon / *Stamp* |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
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## ETAT DES MODIFICATIONS ET SERVICE BULLETINS SUPPRIMES PAR L'UTILISATEUR / *MODIFICATIONS AND BULLETIN SERVICES REMOVED BY OPERATOR*

| MODIF | SERVICE BULLETIN | DATE | Signature - Tampon / *Stamp* | MODIF | SERVICE BULLETIN | DATE | Signature - Tampon / *Stamp* |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
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## CONSIGNES DE NAVIGABILITE APPLIQUEES PAR L'UTILISATEUR / *AIRWORTHINESS DIRECTIVES APPLIED BY OPERATOR*

| N° CN / AD DGAC / EASA | AD FAA | Local AD | Date | Signature - Tampon / Stamp | N° CN / AD DGAC / EASA | AD FAA | Local AD | Date | Signature - Tampon / Stamp |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |
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## ENTRETIEN / *MAINTENANCE*

| TRAVAUX EFFECTUES *WORKS CARRIED OUT* | EFFECTUES *CARRIED OUT* | | | OPERATEUR *OPERATOR* | Date | Signature - Tampon / *Stamp* |
|---|---|---|---|---|---|---|
| | HEURES *HOURS* | CYCLES | | | | |
| | | GEN *GG* | TL *FT* | | | |
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## PIECES A VIE LIMITE OU A LIMITE D'UTILISATION REMPLACEES PAR L'UTILISATEUR OU EVOLUTION DE VIE LIMITE

*LIFE LIMITED OR USE LIMITED PARTS REPLACED BY OPERATOR OR LIFE LIMIT EVOLUTION*

| R | MOTIF *REASON* | DESIGNATION *IDENTITY* | REFERENCE *P/N* | N° Série *S/N* | TOTAL HEURES *HOURS* | DISPO. Hrs *REMAINING Hrs* | TOTAL CYCLES | DISPO. Cy *REMAINING Cy* | Endofluage creep damage | Date | Signature - Tampon / Stamp |
|---|---|---|---|---|---|---|---|---|---|---|---|
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## RENSEIGNEMENTS PARTICULIERS / *REMARKS*

**Nouvelle disponibilité suite à remplacement de pièces à limite d'utilisation ou de pièces à vie-limite :**
*New statut of availabilities following replacement of usage limited parts and life limited parts:*
- ***Heures*** */ Hours :*
- ***Cycles*** */ Cycles :*
- ***Endofluage*** */ Creep damage:*

**Type d'huile** / Oil Type:

N° 3 **FICHE MATRICULE DE FOURNITURE ECHANGEABLE** / *EXCHANGEABLE COMPONENT LOG CARD* **FMFE 1**

| **IDENTIFICATION DE LA FOURNITURE** / IDENTIFICATION OF COMPONENT | |
|---|---|
| **Désignation** *Identity* | **MODULE 04 ASSY** *FREE TURBINE* |
| **Référence** / *P/N* | **70BM041720** |
| **N° de série** / *S/N* | **00878TEC** |
| **Fabricant** / *Manufacturer* | **TURBOMECA** |
| **Type de moteur** / Engine Type | **ARRIEL 2** |

**Cette fiche est affectée à tout module ou composant à vie-limite ou potentiel pouvant être échangé par l'utilisateur.**
**Elle doit accompagner la fourniture dans tous ses mouvements et est remplacée si nécessaire lors du retour de celle-ci chez l'industriel (ou Réparateur Agrée TURBOMECA). Elle doit être insérée dans le livret du moteur sur lequel la fourniture est installée.**

*This card is used for any module or item with limited life or T.B.O. which can be exchanged by the operator. It must accompany the component in all its movements, and will be replaced if necessary when the component is returned to the manufacturer (or to an Approved TURBOMECA Overhaul Facility).*
*This card should be inserted in the engine log book on which the component is installed.*

| **TRAVAUX EFFECTUES** *WORKS CARRIED OUT* | **RENSEIGNEMENTS PARTICULIERS** / *REMARKS* | **STOCKAGE** / *STORAGE* |
|---|---|---|
| Overhauled and Calendar Reset<br><br>All work C/O on W/O 33-24151 | | **L.D.** |

**DISPONIBILITE** / *AVAILABLE LIFE*

**MODULE - PIECES A VIE LIMITE** / *Life limited parts* **- PIECES A LIMITE D'UTILISATION** / *Usage limited parts*

**Suivant manuel de maintenance :** *According Maintenance manual :* X292 M5 450 2 R 33 — Lettre Service : Service Letter : 2060/00/AR2B/14 R 8

| **POTENTIEL CALENDAIRE** *TIME FOR THE CALENDAR LIMIT* | **DATE 1ère MISE EN SERVICE** *DATE FOR FIRST ENTRY INTO SERVICE* | **DATE LIMITE D'UTILISATION** *LIMITED DATE FOR USAGE* |
|---|---|---|
| **15 Years** | | |

**FONCTIONNEMENT A LA LIVRAISON** / *LIFE USED AT TIME OF DELIVERY*

| **MODULE** | **POTENTIEL** *TBO* | **HEURES NEUF** *HOURS NEW* | **HEURES depuis révision** *HOURS since overhaul* | **Disponibilité en heures** *Remaining hours* | **Disponibilité en cycles** *Remaining cycles* | **Disponibilité Taux d'utilisation** *Remaining usage rate* | **Disponibilité Point Endofluage** *Remaining creep damage* |
|---|---|---|---|---|---|---|---|
| | 3500 | 6372.9 | 0 | 3500 | 10000 | - | - |

| **PIECES** *PARTS* | **R** | **DESIGNATION** *IDENTITY* | **REFERENCE** *P/N* | **N° Série** *S/N* | **Heures de fct. Total** *Total run hours* | **Disponibilité en heures** *Remaining hours* | **Cycles eff. Total** Total *cycles carried out* | **Disponibilité en cycles** *Remaining cycles* | **Endofluage total** *Total creep damage* |
|---|---|---|---|---|---|---|---|---|---|
| **Pièces à vie-limite** *Life limited parts* | 1 | FREE TURBINE DISK | 2292810310 | APJ2082XG | - | - | 6101 | 15899 | - |
| | 2 | - | - | - | - | - | - | - | - |
| | 3 | - | - | - | - | - | - | - | - |
| | 4 | - | - | - | - | - | - | - | - |
| | 5 | - | - | - | - | - | - | - | - |
| **Pièces à limite d'utilisation** *Usage limited parts* | 6 | FWD BALL BEARING | 9609000554 | 5911 | 0 | 3500 | - | - | - |
| | 7 | AFT BALL BEARING | 9609000166 | 26791 | 0 | 3500 | - | - | - |
| | 8 | PT NUT | 0292810450 | 9490EPS | 0 | 3500 | - | - | - |
| | 9 | PT BLADES | 229281A010 | 142285 | 0 | 7000 | 0 | 10000 | - |
| | 10 | - | - | - | - | - | - | - | - |
| | 11 | - | - | - | - | - | - | - | - |
| | 12 | - | - | - | - | - | - | - | - |
| | 13 | - | - | - | - | - | - | - | - |
| | 14 | - | - | - | - | - | - | - | - |
| | 15 | - | - | - | - | - | - | - | - |
| | 16 | - | - | - | - | - | - | - | - |
| | 17 | - | - | - | - | - | - | - | - |
| | 18 | - | - | - | - | - | - | - | - |

## ETAT DES MODIFICATIONS ET SERVICE BULLETINS APPLIQUES AU MODULE A LA LIVRAISON
*MODIFICATIONS AND SERVICE BULLETINS*

| MODIF | SERVICE BULLETINS | MODIF | SERVICE BULLETINS | MODIF | SERVICE BULLETINS | MODIF | SERVICE BULLETINS | MODIF | SERVICE BULLETINS | MODIF | SERVICE BULLETINS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4A | Base | - | - | - | - | - | - | - | - | - | - |
| 6A | 292 72 200R R1 | - | - | - | - | - | - | - | - | - | - |
| 46A | 292 72 2046 | - | - | - | - | - | - | - | - | - | - |
| 59A | 292 72 2059 R1 | - | - | - | - | - | - | - | - | - | - |
| 146A | 292 72 2146 R1 | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |

## ETAT DES CONSIGNES DE NAVIGABILITE APPLIQUEES A LA LIVRAISON
*AIRWORTHINESS DIRECTIVES APPLIED AT TIME OF DELIVERY*

| N° CN / AD DGAC / EASA | AD FAA | Local AD | A / NA | N° CN / AD DGAC / EASA | AD FAA | Local AD | A / NA | N° CN / AD DGAC / EASA | AD FAA | Local AD | A / NA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2009-0112R1 | 2009-08-08 R1 | - | N/A | - | - | - | - | - | - | - | - |
| 2011-0218 | 2012-08-18 | - | N/A | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |

## HEURES ET CYCLES REALISES AU BANC D'ESSAI MAIS NON PRIS EN COMPTE DANS L'ETAT DE DISPONIBILITE EN ACCORD AVEC LE CCT 6100 ou RTC.
*HOURS AND CYCLES RUNNED ON TEST BENCH BUT NOT COUNTED IN THE AVAILABILITY STATUS IN ACCORDANCE WITH CCT 6100 or CTB.*

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HEURES *HOURS* | 1.88 | | 21-Mar-2014 | HEURES *HOURS* | | | | HEURES *HOURS* | | | |
| CYCLES | GN *GG* | TL *FT* | 5 | CYCLES | GN *GG* | TL *FT* | | CYCLES | GN *GG* | TL *FT* | |
| HEURES *HOURS* | | | | HEURES *HOURS* | | | | HEURES *HOURS* | | | |
| CYCLES | GN *GG* | TL *FT* | | CYCLES | GN *GG* | TL *FT* | | CYCLES | GN *GG* | TL *FT* | |

**Le signataire certifie que cette fourniture a été construite ou révisée conformément aux règles, a satisfait aux épreuves de réception et peut-être mise en service sous réserve du respect des consignes des Manuels agréés.**
**SI CETTE FOURNITURE A SUBI UN ACCIDENT, ELLE DOIT ETRE INSPECTEE ET RECEPTIONNEE PAR UN CENTRE AGREE PAR TURBOMECA AVANT D'ETRE REMISE EN SERVICE.**
**L'utilisateur est averti que l'utilisation en service d'un moteur - ou un composant - qui a subi un accident et n'a pas été inspecté et réceptionné par un centre agréé par TURBOMECA engage sa propre responsabilité.**

*The undersign certifies that the component described above has been manufactured or overhauled in accordance with applicable regulations, has completed all required acceptance testing and is approved for use in accordance with applicable operating and maintenance instructions.*
*IF THIS COMPONENT HAS BEEN INVOLVED IN AN ACCIDENT, IT SHOULD BE INSPECTED AND APPROVED BY AN APPROVED TURBOMECA OVERHAUL FACILITY BEFORE RETURNING IT TO SERVICE.*
*Operators are warned that placing an engine - or a component - into service that has been involved in an accident and has not subsequently been inspected and approved for return to service by an approved TURBOMECA overhaul facility is done strictly at the risk of the owner / operator.*

**L'Industriel / Réparateur agrée**
*The Manufacturer / Approved overhaul facility*

**Date - Signature - Tampon** / *Stamp*

21-Mar-2014

231-81 SCA T-80

**Contrôle Habilité**
*Authorized Approval*

**Date - Signature - Tampon** / *Stamp*

21-Mar-2014

N° 3 **FICHE MATRICULE DE FOURNITURE ECHANGEABLE** / *EXCHANGEABLE COMPONENT LOG CARD* **FMFE 3/U**

| IDENTIFICATION DE LA FOURNITURE / IDENTIFICATION OF COMPONENT | |
|---|---|
| **Désignation** *Identity* | **MODULE 04 ASSY** *FREE TURBINE* |
| **Référence** / *P/N* | **70BM041720** |
| **N° de série** / *S/N* | **00878TEC** |
| **Fabricant** / *Manufacturer* | **TURBOMECA** |
| **Type de moteur** / Engine Type | **ARRIEL 2** |

**Cette fiche est affectée à tout module ou composant à vie-limite ou potentiel pouvant être échangé par l'utilisateur.**
**Elle doit accompagner la fourniture dans tous ses mouvements et est remplacée si nécessaire lors du retour de celle-ci chez l'industriel (ou Réparateur Agrée TURBOMECA). Elle doit être insérée dans le livret du moteur sur lequel la fourniture est installée.**

*This card is used for any module or item with limited life or T.B.O. which can be exchanged by the operator. It must accompany the component in all its movements, and will be replaced if necessary when the component is returned to the manufacturer (or to an Approved TURBOMECA Overhaul Facility).*
*This card should be inserted in the engine log book on which the component is installed.*

## MOUVEMENTS
*TRANSFERS*

| Motif *Reason* | Moteur / *Engine* Fonctionnement depuis neuf ou révision *Operation since new or overhaul* | | | Fourniture / *Component* Fonctionnement depuis neuf ou révision *Operation since new or overhaul* | | | | | | | Utilisateur *User* | Date - Signature - Tampon / *Stamp* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Variante *Version* | S/N | Heures *Hours* | Heures *Hours* | Cycles GEN *GG* | Cycles TL *FT* | Taux d'utilisation *Usage rate* | Endoffusage *Creep damage* | O.E.I PSU *SCP* | O.E.I PMU *MCP* | | |
| Overhauled | ARRIEL 2 | N/A | N/A | 0 | - | 0 | / | / | / | / | VAHS | 21-Mar-2014 |
| INSTALLED | ARRIEL2B | 22087 | 6797.3 | 0.0 | N/A | 0.0 | / | / | / | / | AHS | 5/5/14 |
| REMOVED | ARRIEL2B | 22087 | 10297.0 | 3499.7 | — | 12.88.15 | — | — | — | — | AMS | SEP 0 8 2021 |
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## ETAT DES MODIFICATIONS ET SERVICE BULLETINS APPLIQUES PAR L'UTILISATEUR
*MODIFICATIONS AND BULLETIN SERVICES APPLIED BY OPERATOR*

| MODIF | SERVICE BULLETIN | DATE | Signature - Tampon / *Stamp* | MODIF | SERVICE BULLETIN | DATE | Signature - Tampon / *Stamp* |
|---|---|---|---|---|---|---|---|
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## ETAT DES MODIFICATIONS ET SERVICES BULLETINS SUPPRIMES PAR L'UTILISATEUR
*MODIFICATIONS AND BULLETINS SERVICES REMOVED BY OPERATOR*

| MODIF | SERVICE BULLETIN | DATE | Signature - Tampon / *Stamp* | MODIF | SERVICE BULLETIN | DATE | Signature - Tampon / *Stamp* |
|---|---|---|---|---|---|---|---|
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## CONSIGNES DE NAVIGABILITE APPLIQUEES PAR L'UTILISATEUR
*AIRWORTHINESS DIRECTIVES APPLIED BY OPERATOR*

| N° CN / *AD* DGAC / EASA | AD FAA | Local AD | A / NA | Date - Signature - Tampon / Stamp | N° CN / *AD* DGAC / EASA | AD FAA | Local AD | A / NA | Date - Signature - Tampon / *Stamp* |
|---|---|---|---|---|---|---|---|---|---|
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## ENTRETIEN / *MAINTENANCE*

| TRAVAUX EFFECTUES *WORKS CARRIED OUT* | EFFECTUES *CARRIED OUT* | | | OPERATEUR *OPERATOR* | Date | Signature - Tampon / *Stamp* |
|---|---|---|---|---|---|---|
| | HEURES *HOURS* | CYCLES | | | | |
| | | GEN *GG* | TL *FT* | | | |
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## PIECES A VIE LIMITE OU A LIMITE D'UTILISATION REMPLACEES PAR L'UTILISATEUR
*LIFE LIMITED OR USE LIMITED PARTS REPLACED BY OPERATOR*

| R | MOTIF *REASON* | DESIGNATION *IDENTITY* | REFERENCE *PART NUMBER* | N° Série *S/N* | TOTAL HEURES *HOURS* | DISPO. *REMAINING* | TOTAL CYCLES | DISPO. *REMAINING* | Date | Signature - Tampon / *Stamp* |
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## RENSEIGNEMENTS PARTICULIERS / *REMARKS*

**Nouvelle disponibilité suite à remplacement de pièces à limite d'utilisation ou de pièces à vie-limite :**
*New statut of availabilities following replacement of usage limited parts and life limited parts:*
- **Heures** / *Hours :*
- **Cycles** / *Cycles :*

N° 2

# FICHE MATRICULE DE FOURNITURE ECHANGEABLE / *EXCHANGEABLE COMPONENT LOG CARD*

**FMFE 1**

| IDENTIFICATION DE LA FOURNITURE / IDENTIFICATION OF COMPONENT | |
|---|---|
| **Désignation** *Identity* | **ENSEMBLE TURBINE LIB** *FREE TURBINE ASSY* |
| **Référence** / *P/N* | **70BM041720** |
| **N° de série** / *S/N* | **00878** |
| **Fabricant** / *Manufacturer* | **TURBOMECA** |
| **Type de moteur** / Engine Type | **ARRIEL 2** |

**Cette fiche est affectée à tout module ou composant à vie-limite ou potentiel pouvant être échangé par l'utilisateur.**
**Elle doit accompagner la fourniture dans tous ses mouvements et est remplacée si nécessaire lors du retour de celle-ci chez l'industriel (ou Réparateur Agrée TURBOMECA). Elle doit être insérée dans le livret du moteur sur lequel la fourniture est installée.**

*This card is used for any module or item with limited life or T.B.O. which can be exchanged by the operator. It must accompany the component in all its movements, and will be replaced if necessary when the component is returned to the manufacturer (or to an Approved TURBOMECA Overhaul Facility). This card should be inserted in the engine log book on which the component is installed.*

| **TRAVAUX EFFECTUES** *WORKS CARRIED OUT* | **RENSEIGNEMENTS PARTICULIERS** / *REMARKS* | **STOCKAGE** / *STORAGE* |
|---|---|---|
| **Revision OVERHAUL** | / | / |

## DISPONIBILITE / *AVAILABLE LIFE*

MODULE - PIECES A VIE LIMITE / *Life limited parts* - PIECES A LIMITE D'UTILISATION / *Usage limited parts*

**Suivant manuel d'entretien :** / According Maintenance manual : **X292L03011**

**Lettre Service :** / *Service Letter :* **1896/99AR2S1/8**

| POTENTIEL CALENDAIRE *TIME FOR THE CALENDAR LIMIT* | DATE 1ère MISE EN SERVICE *DATE FOR FIRST ENTRY INTO SERVICE* | DATE LIMITE D'UTILISATION *LIMITED DATE FOR USAGE* |
|---|---|---|
| **15 ANS** | | |

## FONCTIONNEMENT A LA LIVRAISON / *LIFE USED AT TIME OF DELIVERY*

| MODULE | POTENTIEL *TBO* | HEURES NEUF *HOURS NEW* | HEURES depuis révision *HOURS since overhaul* | Disponibilité en heures *Remaining hours* | Disponibilité en cycles *Remaining cycles* | Disponibilité Taux d'utilisation *Remaining usage rate* | Disponibilité Point Endofluage *Remaining creep damage* |
|---|---|---|---|---|---|---|---|
| | **3 500** | **3 375** | **0** | **3 016** | **9264** | / | / |

| PIECES *PARTS* | R | DESIGNATION *IDENTITY* | REFERENCE *P/N* | N° Série *S/N* | Heures de fct. Total *Total run hours* | Disponibilité en heures *Remaining hours* | Cycles eff. Total *Total cycles carried out* | Disponibilité en cycles *Remaining cycles* |
|---|---|---|---|---|---|---|---|---|
| Pièces à vie-limite *Life limited parts* | 1 | DISQUE DE TURBINE LIBRE *FREE TURBINE DISK* | 2292810310 √ | APJ2082XG | / | / | 4305 | 17695 |
| | 2 | / / | / | / | / | / | / | / |
| | 3 | / / | / | / | / | / | / | / |
| | 4 | / / | / | / | / | / | / | / |
| | 5 | / / | / | / | / | / | / | / |
| Pièces à limite d'utilisation *Usage limited parts* | 6 | PALES DE TURBINE LIBRE *FREE TURBINE BLADES* | 2292810430 √ | N46 | 2984 | 3016 | 736 | 9264 |
| | 7 | ECROU CANNELE *SPLINED NUT* | 0292810450 √ | 2245 | 0 | 3500 | / | / |
| | 8 | ROULEMENT AV E.T. TL *FT ROTATING ASSEMBLY FRONT BRG* | 9609000554 √ | 2875 | 0 | 3500 | / | / |
| | 9 | ROULEMENT AR/AV TL *FT FRONT/REAR BEARING* | 9609000166 √ | 15719 | 0 | 3500 | / | / |
| | 10 | / / | / | / | / | / | / | / |
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## ETAT DES MODIFICATIONS ET SERVICE BULLETINS APPLIQUES AU MODULE A LA LIVRAISON

*MODIFICATIONS AND SERVICE BULLETIN APPLIED ON THE MODULE AT TIME OF DELIVERY*

| MODIF | SERVICE BULLETIN | MODIF | SERVICE BULLETIN | MODIF | SERVICE BULLETIN | MODIF | SERVICE BULLETIN | MODIF | SERVICE BULLETIN | MODIF | SERVICE BULLETIN |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TU004A | 292722004 | / | / | / | / | / | / | / | / | / | / |
| TU006A | 292722006 | / | / | / | / | / | / | / | / | / | / |
| TU046A | 292722046 | / | / | / | / | / | / | / | / | / | / |
| TU059A | 292722059 | / | / | / | / | / | / | / | / | / | / |
| TU146A | 292722146 | / | / | / | / | / | / | / | / | / | / |
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## ETAT DES CONSIGNES DE NAVIGABILITE APPLIQUEES A LA LIVRAISON

*AIRWORTHINESS DIRECTIVES APPLIED AT TIME OF DELIVERY*

| N° CN / AD DGAC / EASA | AD FAA | Local AD | A / NA | N° CN / AD DGAC / EASA | AD FAA | Local AD | A / NA | N° CN / AD DGAC / EASA | AD FAA | Local AD | A / NA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| / | / | / | / | / | / | / | / | / | / | / | / |
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| / | / | / | / | / | / | / | / | / | / | / | / |

## HEURES ET CYCLES REALISES AU BANC D'ESSAI MAIS NON PRIS EN COMPTE DANS L'ETAT DE DISPONIBILITE EN ACCORD AVEC LE CCT 6100 ou RTC.

Hours and cycles realised at test bench but not count up into availability status, in accordance with CCT 6100 or RTC.

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HEURES *HOURS* | 003 | | | HEURES *HOURS* | | | | HEURES *HOURS* | | | |
| CYCLES | GN *GG* / | TL *FT* 5 | | CYCLES | GN *GG* | TL *FT* | | CYCLES | GN *GG* | TL *FT* | |
| HEURES *HOURS* | | | | HEURES *HOURS* | | | | HEURES *HOURS* | | | |
| CYCLES | GN *GG* | TL *FT* | | CYCLES | GN *GG* | TL *FT* | | CYCLES | GN *GG* | TL *FT* | |

**Le signataire certifie que cette fourniture a été construite ou révisée conformément aux règles, a satisfait aux épreuves de réception et peut-être mise en service sous réserve du respect des consignes des Manuels agréés. SI CETTE FOURNITURE A SUBI UN ACCIDENT, ELLE DOIT ETRE INSPECTEE ET RECEPTIONNEE PAR UN CENTRE AGREE PAR TURBOMECA AVANT D'ETRE REMISE EN SERVICE.**
**L'utilisateur est averti que l'utilisation en service d'un moteur - ou un composant - qui a subi un accident et n'a pas été inspecté et réceptionné par un centre agréé par TURBOMECA engage sa propre responsabilité.**

*The undersign certifies that the component described above has been manufactured or overhauled in accordance with applicable regulations, has completed all required acceptance testing and is approved for use in accordance with applicable operating and maintenance instructions.*
*IF THIS COMPONENT HAS BEEN INVOLVED IN AN ACCIDENT, IT SHOULD BE INSPECTED AND APPROVED BY AN APPROVED TURBOMECA OVERHAUL FACILITY BEFORE RETURNING IT TO SERVICE.*
*Operators are warned that placing an engine - or a component - into service that has been involved in an accident and has not subsequently been inspected and approved for return to service by an approved TURBOMECA overhaul facility is done strictly at the risk of the owner / operator.*

**L'Industriel / Réparateur agrée**
*The Manufacturer / Approved overhaul facility*

**Date - Signature - Tampon** / *Stamp*

02.12.2008

**Contrôle Habilité**
*Authorized Approval*

**Date - Signature - Tampon** / *Stamp*

02-12-2008

N° 2

# FICHE MATRICULE DE FOURNITURE ECHANGEABLE / *EXCHANGEABLE COMPONENT LOG CARD*

**FMFE 3/U**

| IDENTIFICATION DE LA FOURNITURE / IDENTIFICATION OF COMPONENT | |
|---|---|
| **Désignation** *Identity* | **ENSEMBLE TURBINE LIB** *FREE TURBINE ASSY* |
| **Référence** / *P/N* | **70BM041720** |
| **N° de série** / *S/N* | **00878** |
| **Fabricant** / *Manufacturer* | **TURBOMECA** |
| **Type de moteur** / Engine Type | **ARRIEL 2** |

**Cette fiche est affectée à tout module ou composant à vie-limite ou potentiel pouvant être échangé par l'utilisateur. Elle doit accompagner la fourniture dans tous ses mouvements et est remplacée si nécessaire lors du retour de celle-ci chez l'industriel (ou Réparateur Agrée TURBOMECA). Elle doit être insérée dans le livret du moteur sur lequel la fourniture est installée.**

*This card is used for any module or item with limited life or T.B.O. which can be exchanged by the operator. It must accompany the component in all its movements, and will be replaced if necessary when the component is returned to the manufacturer (or to an Approved TURBOMECA Overhaul Facility). This card should be inserted in the engine log book on which the component is installed.*

## MOUVEMENTS
*TRANSFERS*

| Motif *Reason* | Moteur / *Engine* Fonctionnement depuis neuf ou révision *Operation since new or overhaul* | | | Fourniture / *Component* Fonctionnement depuis neuf ou révision / *Operation since new or overhaul* | | | | | | | Utilisateur *User* | Date - Signature - Tampon / *Stamp* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Variante *Version* | S/N | Heures *Hours* | Heures *Hours* | Cycles GEN *GG* | Cycles TL *FT* | Taux d'utilisation *Usage rate* | Endofluage *Creep damage* | O.E.I PSU *SCP* | O.E.I PMU *MCP* | | |
| LIVRAISON DELIVERY | / | / | / | 0 | / | 0 | / | / | 0 | 0 | TMF | 02.12.2008 |
| Installed | Ar. 2B | 22212 | 3432 | 0 | 0 | 0 | | | 0 | 0 | | Guttorm Klepp AIRLIFT AS, NO 945 010 479 Engineering Dept. |
| Removed | 2B | 22212 | 6450 | 2998 | 6984 | 1796 | – | – | – | – | TMG | 11 Nov 13 |
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VOID

## ETAT DES MODIFICATIONS ET SERVICE BULLETINS APPLIQUES PAR L'UTILISATEUR
*MODIFICATIONS AND BULLETIN SERVICES APPLIED BY OPERATOR*

| MODIF | SERVICE BULLETIN | DATE | Signature - Tampon / *Stamp* | MODIF | SERVICE BULLETIN | DATE | Signature - Tampon / *Stamp* |
|---|---|---|---|---|---|---|---|
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## ETAT DES MODIFICATIONS ET SERVICE BULLETINS SUPPRIMES PAR L'UTILISATEUR
*MODIFICATIONS AND BULLETIN SERVICES REMOVED BY OPERATOR*

| MODIF | SERVICE BULLETIN | DATE | Signature - Tampon / *Stamp* | MODIF | SERVICE BULLETIN | DATE | Signature - Tampon / *Stamp* |
|---|---|---|---|---|---|---|---|
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## CONSIGNES DE NAVIGABILITE APPLIQUEES PAR L'UTILISATEUR
*AIRWORTHINESS DIRECTIVES APPLIED BY OPERATOR*

| N° CN / AD DGAC / EASA | AD FAA | Local AD | A / NA | Date - Signature - Tampon / Stamp | N° CN / AD DGAC / EASA | AD FAA | Local AD | A / NA | Date - Signature - Tampon / Stamp |
|---|---|---|---|---|---|---|---|---|---|
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## ENTRETIEN / *MAINTENANCE*

| TRAVAUX EFFECTUES *WORKS CARRIED OUT* | EFFECTUES *CARRIED OUT* | | | OPERATEUR *OPERATOR* | Date | Signature - Tampon / *Stamp* |
|---|---|---|---|---|---|---|
| | HEURES *HOURS* | CYCLES | | | | |
| | | GEN *GG* | TL *FT* | | | |
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VOL D marché 21

## PIECES A VIE LIMITE OU A LIMITE D'UTILISATION REMPLACEES PAR L'UTILISATEUR
*LIFE LIMITED OR USE LIMITED PARTS REPLACED BY OPERATOR*

| MOTIF *REASON* | DESIGNATION *IDENTITY* | REFERENCE *PART NUMBER* | N° Série *S/N* | TOTAL HEURES *HOURS* | DISPO. *REMAINING* | TOTAL CYCLES | DISPO. *REMAINING* | Date | Signature - Tampon / *Stamp* |
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## RENSEIGNEMENTS PARTICULIERS / *REMARKS*

**Nouvelle disponibilité suite à remplacement de pièces à limite d'utilisation ou de pièces à vie-limite :**
*New statut of availabilities following replacement of usage limited*

N° 1

# FICHE MATRICULE DE FOURNITURE ECHANGEABLE / *EXCHANGEABLE COMPONENT LOG CARD*

| IDENTIFICATION DE LA FOURNITURE / *IDENTIFICATION OF COMPONENT* | |
|---|---|
| Désignation / *Identity* | ENSEMBLE TURB. LIBRE<br>*FREE TURBINE ASSEMBLY* |
| Référence / *P/N* | 70BM041720 |
| N° de série / *S/N* | 00878TEC |
| Fabricant / *Manufacturer* | TURBOMECA |
| Type de moteur / *Engine Type* | ARRIEL 2 |

**Cette fiche est affectée à tout module ou composant à vie-limite ou potentiel pouvant être échangé par l'utilisateur.**
**Elle doit accompagner la fourniture dans tous ses mouvements et est remplacée si nécessaire lors du retour de celle-ci chez l'industriel (ou Réparateur Agrée TURBOMECA).Elle doit être insérée dans le livret du moteur sur lequel la fourniture est installée.**

*This card is used for any module or item with limited life or T.B.O. which can be exchanged by the operator. It must accompany the component in all its movements, and will be replaced if necessary when the component is returned to the manufacturer (or to an Approved TURBOMECA Overhaul Facility).*
*This card should be inserted in the engine log book on which the component is installed.*

| TRAVAUX EFFECTUES / *WORKS CARRIED OUT* | RENSEIGNEMENTS PARTICULIERS / *REMARKS* | STOCKAGE / *STORAGE* |
|---|---|---|
| NEW | 21 march, 2014 VOID | |

## MODIFICATIONS APPLIQUEES A LA LIVRAISON / *MODIFICATIONS INCORPORATED AT TIME OF DELIVERY*

TU : 4A - 6A - 46A - 59A.

## FONCTIONNEMENT A LA LIVRAISON / *LIFE USED AT TIME OF DELIVERY*

| Module | Total heures / *Total hours* : 0 | | | Total cycles / *Total cycles* |
|---|---|---|---|---|
| | DESIGNATION<br>*IDENTITY* | REFERENCE / *P/N* | N° SERIE / *S/N* | Pose / *Installed* |
| Composants à vie-limite<br>*Items with limited life* | DISQUE TURBINE LIBRE<br>*Free turbine disc* | 2292810310 | APJ2082XG | 0 |
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## ATTESTATION DE CONTROLE / *CERTIFICATE OF INSPECTION*

Le signataire certifie que cette fourniture a été construite ou révisée conformément aux règles, a satisfait aux épreuves de réception et peut-être mise en service sous réserve du respect des consignes des Manuels agréés.
SI CETTE FOURNITURE A SUBI UN ACCIDENT, ELLE DOIT ETRE INSPECTEE ET RECEPTIONNEE PAR UN CENTRE AGREE PAR TURBOMECA AVANT D'ETRE REMISE EN SERVICE.
L'utilisateur est averti que l'utilisation en service d'un moteur - ou un composant - qui a subi un accident et n'a pas été inspecté et réceptionné par un centre agréé par TURBOMECA engage sa propre responsabilité.

*The undersign certifies that the component described above has been manufactured or overhauled in accordance with applicable regulations, has completed all required acceptance testing and is approved for use in accordance with applicable operating and maintenance instructions.*
*IF THIS COMPONENT HAS BEEN INVOLVED IN AN ACCIDENT, IT SHOULD BE INSPECTED AND APPROVED BY AN APPROVED TURBOMECA OVERHAUL FACILITY BEFORE RETURNING IT TO SERVICE.*
*Operators are warned that placing an engine - or a component - into service that has been involved in an accident and has not subsequently been inspected and approved for return to service by an approved TURBOMECA overhaul facility is done strictly at the risk of the owner/operator.*

| L'Industriel<br>*The manufacturer* | L'Autorité compétente<br>*The competent Authority* |
|---|---|
| TURBOMECA<br>GRAND PRAIRIE, TX | Production Approval<br>5SW<br>Date - signature |
| 5 August 2002 | 5 August 2002 |
| Direction Qualité<br>TEC/MTI Quality Dept. Accept | TURBOMECA ENGINE CORPORATION # 2 5SW GRAND PRAIRIE TEXAS USA |

## MOUVEMENTS / *TRANSFERS*

| Motif *Reason* | Moteur / *Engine* | | | Fourniture / *Component* Fct depuis neuf *Operation since new* | | | Utilisateur *Operator* | Date |
|---|---|---|---|---|---|---|---|---|
| | Type | S/N | H. depuis neuf *H since new* | H | Cycles | O.E.I. 2 mn (en mn/s) | | |
| POSE / *Installed* | ARRIEL 2 | 20621TEC | 0 | 0 | 0 | 0 | TURBOMECA | 5 August 2002 |
| Removed. | Arriel 2[illegible] | 20621TEC | 3374 55 | 3374 55 | 4305 | | Sonair | 13/09/2008 |
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## ENTRETIEN / *MAINTENANCE*

| Travaux effectués / *Works carried out* | Utilisateur *Operator* | Date Signature |
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VOID
21 March, 2014

**INFORMATION DESTINEE UNIQUEMENT AUX REPARATEURS**

**HEURES ET CYCLES REALISES AU BANC D'ESSAI MAIS NON PRIS EN COMPTE DANS L'ETAT DE DISPONIBILITE EN ACCORD AVEC LE CCT 6100**

*Hours and cycles realised at test bench but not count up into status of available, in accordance with CCT 6100*

| | | |
|---|---|---|
| HEURES *HOURS* | 4.12 5 August 2002 | |
| CYCLES | 15.02 | |
| HEURES *HOURS* | | |
| CYCLES | | |
| HEURES *HOURS* | | |
| CYCLES | | |