

1. Approving competent Authority / Country
Autorité compétente / Pays

2.

DIRECTION GENERALE
DE L'AVIATION CIVILE
FRANCE

4. Organisation Name and Address :
Nom et adresse de l'organisme

AUTHORISED RELEASE CERTIFICATE

Certificat libérateur autorisé
EASA FORM 1
Formulaire 1 de l'EASA

3. Form Tracking Number
N° de repère du Formulaire

0210135834-R

LIEBHERR-AEROSPACE TOULOUSE SAS
408, avenue des Etats-Unis - B.P. 52010
F - 31016 TOULOUSE CEDEX 2 - FRANCE

5. Work Order/Contract/Invoice
Bon de commande/Contrat/Facture

R415753-100000899722

6. Item / Item	7. Description / Description	8. Part No / N° de la pièce	9. Qty / Qté	10. Serial No. / N° série	11. Status/Work Etat/Travaux
001	FLOW CONTROL VALVE	964A0000-06	1	02507	MODIFIED

12. Remarks / Remarques
REPAIRED IAW DOC. TYPE : CMM REF.DOC : 21-51-51 REVISION : 18 DATE DOC. : 18-OCT-22
MOD./AMDT. ON ARRIVAL : / A B
MOD./AMDT. ON DEPARTURE : /
EMBODIMENT SB 964-21-04 REV 2: JUN 25/13

TSN/CSN 35902 H 57 MN / 5229 C
TSO/CSO UNK / UNK
TSL/CSL 0 H / 0 C

Tri release:

The work identified in block 11 and described herein has been accomplished in accordance with 14 CFR part 43 and in respect to that work, the items are approved for release or return to service under certificate no. **B8EY828J**

Place of release: 19 rue Marcel Issartier - 33693 Mérignac - France

TCOA Approval n° 897-36

13a. Certifies that the items identified above were manufactured in conformity to :
Certifie que les éléments identifiés ci-dessus ont été fabriqués conformément aux :

- ☐ approved design data and are in condition for safe operation.
données de conception approuvées et sont en état de fonctionner en toute sécurité.
- ☐ non-approved design data specified in block 12.
données de conception non approuvées identifiées en case 12.

14a. ☒ Part 145.A.50 Release to service
Approbation pour remise en service selon partie 145.A.50 ☐ Other regulation specified in block 12
Autre réglementation précisée en case 12

Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with PART 145 and in respect to that work the items are considered ready for release to service.
Certifie que, sauf indication contraire précisée en case 12, les travaux identifiés en case 11 et décrits en case 12 ont été réalisés conformément à la partie 145 et qu'en regard de ces travaux, la (les) pièce(s) est (sont) considérées prêtes à la remise en service

13b. Authorised Signature Signature autorisée	13c. Approval / Authorisation number Numéro d'agrément / d'autorisation	14b. Authorised Signature Signature autorisée	14c. Certificate / Approval ref. No. N° du certificat / Agrément
			FR.145.0071
13d. Name / Nom	13e. Date (dd mmm yyyy) / Date (jj mmm aaaa)	14d. Name / Nom Benoît BELANGER CERTIFYING INSPECTOR HABILITATION N° 131	14e. Date (dd mmm yyyy) / Date (jj mmm aaaa) 25 OCT 2023

USER/INSTALLER RESPONSIBILITIES / Responsabilités de l'utilisateur/installateur
This certificate does not automatically constitute authority to install the item(s).

Ce document ne constitue pas forcément l'autorisation d'installer l(es) item(s).

Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1.

Quand l'utilisateur/installateur travaille selon les réglementations d'une autorité de navigabilité différente de l'autorité de navigabilité mentionnée dans la case 1, il est essentiel que l'utilisateur/installateur s'assure que son autorité de navigabilité accepte les items libérés par l'autorité de navigabilité mentionnée dans la case 1.

Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

Les indications portées en cases 13a et 14a ne constituent pas une certification de montage. Dans tous les cas le dossier d'entretien de l'aéronef doit contenir une certification d'installation délivrée conformément aux règlements nationaux par l'utilisateur/installateur avant que l'aéronef puisse voler.

1. Approving competent Authority/
Country

2.

AUTHORISED RELEASE CERTIFICATE

3. Form Tracking Number

0210135834-U

CAA / UK

CAA FORM 1

4. Organisation Name and Address :

LIEBHERR-AEROSPACE TOULOUSE SAS
408, avenue des Etats-Unis - B.P. 52010
F - 31016 TOULOUSE CEDEX 2 - FRANCE

5. Work Order/Contract/Invoice

R415753-100000899722

6. Item	7. Description	8. Part No	9. Qty	10. Serial No.	11. Status/Work
001	FLOW CONTROL VALVE	964A0000-06	1	02507	MODIFIED

12. Remarks
REPAIRED IAW DOC. TYPE : CMM REF.DOC : 21-51-51 REVISION : 18 DATE DOC. : 18-OCT-22
MOD/AMDT. ON ARRIVAL : / A B
MOD/AMDT. ON DEPARTURE : / .
EMBODIMENT SB 964-21-04 REV 2: JUN 25/13

TSN/CSN 35902 H 57 MN / 5229 C
TSO/CSO UNK / UNK
TSI/CSI 0 H / 0 C

Place of release: 19 rue Marcel Issartier - 33693 Mérignac - France

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

- ☐ approved design data and are in condition for safe operation.
☐ non-approved design data specified in block 12.

14a. ☒ Part 145.A.50 Release to service

☐ Other regulation specified in block 12

Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with PART 145 and in respect to that work, the items are considered ready for release to service.

13b. Authorised Signature	13c. Approval / Authorisation number	14b. Authorised Signature	14c. Certificate / Approval ref. No.
			UK.145.01602
13d. Name	13e. Date (dd mmm yyyy)	14d. Name Benoît BELLANGER CERTIFYING INSPECTOR HABILITATION N° 131	14e. Date (dd mmm yyyy) 25 OCT 2023

USER/INSTALLER RESPONSIBILITIES

This certificate does not automatically constitute authority to install the item(s).

Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1.
Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

SHOP FINDING REPORT

LIEBHERR REPAIR DOSSIER: 3041269
RECEPTION DATE: 18 AUG 2023
CUSTOMER PURCHASE ORDER: R415753
OPERATOR: N/A
AIRCRAFT TYPE: A330
AIRCRAFT REG. NUMBER: YU-ARC

RECEIVED UNIT

PART NUMBER: 964A0000-05
AMENDMENT: AB
SERIAL NUMBER: 02507
DESCRIPTION: FLOW CONTROL VALVE
CONCESSION: N/A
MANUFACTURING CODE: F1958
MANUFACTURING DATE: 01/11

DELIVERED UNIT

PART NUMBER: 964A0000-06
AMENDMENT: -
SERIAL NUMBER: 02507
DESCRIPTION: FLOW CONTROL VALVE
CONCESSION: N/A

TIMES & CYCLES

	TSN	TSO	TSI	CSN	CSO	CSI
PN IN	35902:57:00	N/A	N/A	5229	N/A	N/A
PN OUT	35902:57:00	N/A	N/A	5229	N/A	N/A

INSTALLATION DATE: N/A
LOG CARD EXISTING: No
LIFE LIMITED PARTS: No

REMOVAL DATE: N/A
NON INCIDENT STATEM.: No

MAINTENANCE DOSSIER: /964A% & /964F% / VERSION 15
APPROVED DATA: CMM 21-51-51 Rev. 18 dated 18 OCT 2022
MODIFICATION DOCUMENTS: SB 964-21-04 Rev. 2 dated 25 JUNE 2013

CERTIFICATE REQUESTED: EASA
FAA
CAA UK

WARRANTY REQUESTED: NO

WORK REQUESTED: TEST, REPAIR

WORK PERFORMED: Major repair, Modification
WARRANTY DECISION: N/A
Comments : -

REASON FOR RETURN:

RFR: RH FLOW CONTROL VALVE WAS NOT OPENED.

FINDINGS AND ANALYSIS

- See SFR attached

WORK PERFORMED:

- See SFR attached

LIFE LIMITED PARTS:

N/A

SHOP FINDING REPORT APPROVED:

VALIDATION DATE:	08 NOV 2023
VALIDATED BY:	Benoit MATTIUZZO

LIEBHERR-AEROSPACE TOULOUSE SAS

Liebherr Aerospace Toulouse SAS, 408 avenue des Etats Unis, BP 52010, F-31016 Toulouse Cedex 2, France

SHOP FINDING REPORT

(Rapport Intervention Technique)

CUSTOMER REPAIR ORDER (N° de commande client): R415753						
INTERNAL REPAIR ORDER (N° de dossier interne): 210135834						
	RECEIVED UNIT (Equipement reçu)	DELIVERED UNIT (Equipement livré)				
PART NUMBER (Référence):	964A0000-05	964A0000-06				
SERIAL NUMBER (Numéro de série):	02507	02507				
DESIGNATION (Description):	FLOW CONTROL VALVE	FLOW CONTROL VALVE				
MFG DATE (Date fab.):	01 JAN 2011	01 JAN 2011				
TIMES & CYCLES:	TSN	TSO	TSI	CSN	CSO	CSI
(Heures & Cycles)	35902 H 57	UNK	0 H	5229 C	UNK	0 C
DATE OF RECEPTION: 31 AUG 2023 (Date de réception)		DATE OF REMOVAL: (Date de dépose)				
REASON FOR REMOVAL (Raison de dépose): SB 964-21-04 REV 2 RH FLOW CONTROL VALVE WAS NOT OPENED Reason confirmed (Motif confirmé): ☒ YES (oui) ☐ NO (non) ☒ OTHER FAILURE (autre panne)						
WORK REQUESTED (Travaux demandés): RPM REPAIR AND MODIFICATION		WORK PERFORMED (Travaux réalisés): RPM REPAIR AND MODIFICATION				
MAINTENANCE DOC (Doc. de référence): CMM 21-51-51 Rev 18 dated 18 OCT 2022						
AMENDMENT RECEPTION : (Amendement arrivée) A B		AMENDMENT DEPARTURE : (Amendement départ)				
MODIFICATION RECEPTION : (Modification arrivée)		MODIFICATION DEPARTURE : (Modification départ)				
REMARKS (Remarques):						
WARRANTY REQUESTED (Garantie demandée):	☐ YES (Oui) ☒ NO (Non) ☐ Manufacturer (OEM) ☐ Repairer (Réparateur) ☐ Stock					
WARRANTY DECISION (Décision garantie) :	☐ Accepted (Acceptée) ☐ Rejected (Rejetée) ☐ Shared (Partagée)					
WARRANTY ANALYSIS:						

CONTROLLED BY (Vérifié par) : MARIELAURE

DATE (Le) : 25 OCT 2023

LIEBHERR-AEROSPACE TOULOUSE SAS

Liebherr Aerospace Toulouse SAS, 408 avenue des Etats Unis, BP 52010, F-31016 Toulouse Cedex 2, France

PART NUMBER: 964A0000-05	DESCRIPTION : FLOW CONTROL VALVE
SERIAL NUMBER: 02507	ORDER NUMBER: 210135834

LIST OF REPLACED PARTS *(Liste des pièces remplacées):*

Assy file: 200547806

PART NUMBER	DESIGNATION	QUANTITY	STATUS
6724-010	BODY	1	Replaced
6729-01620	BODY-CLAPPER ASSY	2	Replaced
6729-01610	BODY, VALVE	1	Replaced
6729-317	CLAPPER	1	Replaced
6729-315	CLAPPER	1	Replaced
60050-99	CLAPPER	1	Replaced
S1295	PLATE	1	SB
J5EG22F045SZ	SCREW	4	SB
S602-27X2-5	O-RING	2	SB
6100-4	SEGMENT	2	SB
6724-7	FLANGE	2	SB
6724-5	RING	2	SB
6724-6	RING	2	SB
6724-4	RING	2	Replaced
S365-154	JET	1	Replaced
8500-5588A	CAPE POUR PRISE 8525-10N14B19P	1	Replaced
S4165	JOINT NICHOLSON'S (Mt)	1	Replaced
S365-134	JET	1	Replaced
S602-8-9X1-9	PACKING, PREFORMED	2	Replaced
S602-125X2	PACKING PERFORMED	1	Replaced
S4165	JOINT NICHOLSON'S (Mt)	1	Replaced
6724-113	SEAL METAL	1	Replaced
6724-19	SPACER	1	Replaced
A027020101-20	BEARING-BALL	2	Replaced
6729-345	SHIM	2	Replaced
6729-364	SHIM	2	Replaced
6740-43	WASHER-LOCK	1	Replaced
S602-2-2X1-6	JOINT TORIQUE H.T.	4	Replaced
S602-16X2	PACKING, PREFORMED	1	Replaced
S602-4X1	JOINT TORIQUE H.T.	1	Replaced
S602-8X1	O-RING	1	Replaced
S602-6X1	JOINT TORIQUE H.T.	2	Replaced
S624-20X1-5	PACKING, PREFORMED	1	Replaced
S624-14X1-78	PACKING, PREFORMED	1	Replaced
S364-064	JET	1	Replaced
S364-040	JET	1	Replaced

LIEBHERR-AEROSPACE TOULOUSE SAS

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PART NUMBER: 964A0000-05	DESCRIPTION : FLOW CONTROL VALVE
SERIAL NUMBER: 02507	ORDER NUMBER: 210135834

INCOMING INSPECTION (*Inspection à réception*):

FINDINGS (<i>constats</i>):	WORK PERFORMED (<i>Travaux réalisés</i>):
FLANGE BODY CRACKED (SEE PHOTO)	- REPLACEMENT BODY

FINDINGS AND WORK PERFORMED (*Constats et travaux réalisés*):

Assy file: 200547806

FINDINGS (<i>constats</i>):	WORK PERFORMED (<i>Travaux réalisés</i>):
REASON OF INTERVENTION : REGULATION UNSTABLE AND MODIFICATION TO PN-06 REQUIRED BY CUSTOMER	
REGULATION UNSTABLE DUE TO CLAPPER WORN	- REPLACEMENT CLAPPERS AND BODY
MODIFICATION TO 964A0000-06 REQUIRED BY CUSTOMER	- EMBODIMENT SB 964-21-04 REV 2: JUN 25/13
INTERNAL LEAKAGE OUT OF LIMIT	- REPLACEMENT RING
PARTS NEED DEOXYDATION	- CLEANING BY SPECIFIC PROCESS
STANDARD ACTION	- WORN AND SYSTEMATIC PARTS - FINAL TEST AND FINISHING

LIEBHERR-AEROSPACE TOULOUSE SAS

Liebherr Aerospace Toulouse SAS, 408 avenue des Etats Unis, BP 52010, F-31016 Toulouse Cedex 2, France

PART NUMBER: 964A0000-05	DESCRIPTION : FLOW CONTROL VALVE
SERIAL NUMBER: 02507	ORDER NUMBER: 210135834

LIST OF REPLACED PARTS *(Liste des pièces remplacées):*

Assy file: 200547806

PART NUMBER	DESIGNATION	QUANTITY	STATUS
S363-072	JET	1	Replaced
S602-8-9X1-9	PACKING, PREFORMED	2	Replaced
S621-10-5X2	O-RING	2	Replaced
S253-1	ADAPTER	1	Replaced
6730-30	SEAL	6	Replaced
S602-10X1	JOINT TORIQUE H.T.	8	Replaced