

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Air Agency Certificate

Number 8LIY809C

This certificate is issued to

LIEBHERR (CHINA) CO. LTD.
D/B/A LIEBHERR - AEROSPACE CHINA

whose business address is

319 GAO SHE NORTH ROAD, 201208
CHINA (SHANGHAI) PILOT FREE TRADE ZONE

*upon finding that its organization complies in all respects
with the requirements of the Federal Aviation Regulations
relating to the establishment of an Air Agency, and is
empowered to operate an approved* REPAIR STATION

with the following ratings:

LIMITED - ACCESSORIES

*This certificate, unless canceled, suspended, or revoked,
shall continue in effect* UNTIL SEPTEMBER 30, 2025

By direction of the Administrator

Date issued:

ORIGINAL:
OCTOBER 24, 2016

ALTON K. CLARK, MANAGER
LOS ANGELES-IFO (AFS-54 LAX)

This Certificate is not Transferable, AND ANY MAJOR CHANGE IN THE BASIC FACILITIES, OR IN THE LOCATION THEREOF,
SHALL BE IMMEDIATELY REPORTED TO THE APPROPRIATE REGIONAL OFFICE OF THE FEDERAL AVIATION ADMINISTRATION

~~Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both~~

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A001 . Issuance and Applicability

HQ Control: 05/06/2022

HQ Revision: 05f

a. These operations specifications are issued to LIEBHERR (CHINA) CO. LTD., a Repair Station located outside the United States, pursuant to 14 CFR Part 145, § 145.53(a). The repair station certificate holder shall conduct operations in accordance with 14 CFR Part 145 and these operations specifications.

The certificate holder's address:

Fixed Location:

319 Gao She North Road
China (Shanghai) Pilot Free Trade Zone
Shanghai
201208
China

Mailing Address:

319 Gao She North Road
China (Shanghai) Pilot Free Trade
Zone
Shanghai
201208
China

b. The holder of these operations specifications is the holder of certificate number 8LIY809C and shall hereafter be referred to as the "certificate holder".

c. These operations specifications are issued as part of this repair station certificate and are in effect as of the date approval is effective. This certificate and these operations specifications shall remain in effect until the expiration date on the issued certificate for a repair station that is located outside the United States unless previously surrendered, suspended, or revoked.

d. The repair station specified on these operation specifications does not perform maintenance and/or an alteration of aircraft and/or aeronautical products under a Bilateral Aviation Safety Agreement (BASA).

e. The certificate holder is authorized to conduct the operations described in subparagraph a under the following other business names:

Liebherr-Aerospace China

U.S. Department
of Transportation
Federal Aviation
Administration

Operations Specifications

1. Issued by the Federal Aviation Administration.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Anthony H Manachi, Principal Avionics Inspector (FS58)
[1] SUPPORT INFO: HQ Template Revision.
[2] EFFECTIVE DATE: 7/13/2022, [3] AMENDMENT #: 4
DATE: 2022.07.13 12:58:12 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

A handwritten signature in blue ink, appearing to read "Eric Thévenot", written over a horizontal line.

Eric Thévenot, General Manager

2022.7.14

Date

A002 . Definitions and Abbreviations

HQ Control: 12/14/2017

HQ Revision: 05d

Unless otherwise defined in these operations specifications, all words, phrases, definitions, and abbreviations have identical meanings to those used in 14 CFR and 49 U.S.C., as cited in Public Law 103-272, as amended. Additionally, the definitions listed below are applicable to operations conducted in accordance with these operations specifications.

BASA	The Bilateral Aviation Safety Agreement (BASA) is an executive agreement concluded between the United States and a foreign country for the purpose of promoting aviation safety; also known as an Agreement for the Promotion of Aviation Safety.
Certificate Holder	In these operations specifications, the term "certificate holder" means the holder of the repair station certificate described in these operations specifications in Part A paragraph A001 and any of its officers, employees, or agents used in the conduct of operations under this certificate.
CAAS	Civil Aviation Authority of Singapore
CFR	Code of Federal Regulations
Class Rating	As used with respect to the certification, ratings, privileges of airframes, powerplants, propellers, radios, instruments, and accessories within a category having similar operating characteristics.
EASA	European Aviation Safety Agency
EASA Accountable Manager	The manager who has corporate authority for ensuring that all maintenance required by the customer can be financed and carried out to the standard required by the EASA full-member Authority.
EU	European Union
Exemption	An authorization that permits an alternate means of compliance with a specific CFR. The exemption must meet the procedural requirements of 14 CFR Part 11.
FOCA	Federal Office of Civil Aviation
FAA Accountable Manager	A person designated by the certificated repair station who is responsible for and has authority over all repair station operations that are conducted under 14 CFR Part 145, including ensuring that the repair station's personnel follow the regulations and serving as the primary contact with the FAA.

Geographic Authorization	Authorization provided to a repair station located outside the United States to perform maintenance support under contract for a U.S. air carrier (or an operator of U.S.- registered aircraft under 14 CFR Part 129) at a location other than the repair station's main facility. A geographic authorization is issued by the FAA to respond to a U.S. air carrier's or Part 129 foreign operator's need for maintenance at a station where the frequency and scope of that maintenance does not warrant permanently staffing and equipping the station for its accomplishment.
Limited Rating	A rating issued to repair stations for the performance of maintenance on particular makes and models of airframes, powerplants, propellers, radios, instruments, accessories, and/or parts.
Limited Ratings - Specialized Services	Rating issued for a special maintenance function when the function is performed in accordance with a specification approved by the Administrator.
Line Maintenance	Any unscheduled maintenance resulting from unforeseen events, or scheduled checks where certain servicing and/or inspections do not require specialized training, equipment, or facilities.
MAG	The Maintenance Annex Guidance (MAG) defines the process that the FAA and EASA undertake in the inspection, findings of compliance certification, and monitoring of repair stations, as well as their joint cooperation in quality assurance and standardization activities in support of the EASA Agreement, Annex 2, Maintenance. The term Maintenance Agreement Guidance (MAG) defines the processes and activities applicable to a specific country under an MIP, and is not associated with the EASA Agreement.
Maintenance	The inspection, overhaul, repair, preservation, and replacement of parts, but excludes preventive maintenance.
U.S./EU Aviation Safety Agreement, Annex 2, Maintenance	Annex 2 covers the reciprocal acceptance of findings of compliance, approvals, documentation and technical assistance regarding approvals and the monitoring of repair stations/maintenance organizations.
MIP	Maintenance Implementation Procedures (MIP) are procedures for implementing the provisions of a BASA that apply to maintenance performed under 14 CFR Part 145, Section 145.53(b).
MOE	A maintenance organization exposition (MOE) pertains to procedural manuals used by maintenance organizations certificated by a foreign country. The MOE along with the FAA Supplement, sets forth the structure and procedures of the repair station to meet the requirements of 14 CFR Part 145 under a MIP.

**Preventive
Maintenance**

As defined in 14 CFR part 1 and part 43 appendix A,
subparagraph (c).

QCM

Quality Control Manual

**Repair Station located
in the United States**

A FAA certificated repair station located in the United States.

**Repair Station located
outside the United
States**

A FAA certificated repair station located outside of the United States.

RSM

Repair Station Manual

1. The Certificate Holder applies for the Operations in this paragraph.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Anthony H Manachi, Principal Avionics Inspector (FS58)
[1] SUPPORT INFO: Company Name Change.
[2] EFFECTIVE DATE: 1/30/2020, [3] AMENDMENT #: 2
DATE: 2020.01.30 09:47:37 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

A handwritten signature in black ink, appearing to be "Eric Zhang", is written over a horizontal line.

Mingyang (Eric) Zhang, Quality Manager

24-Feb-2020

Date

A003 . Ratings and Limitations

HQ Control: 04/03/2017

HQ Revision: 01a

The certificate holder is authorized the following Ratings and/or Limitations:

Class Ratings

None authorized

Limited Ratings

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Accessories	From the Capability List, as amended.	From the Capability List, as amended.	Limited to components and maintenance limitations described in Liebherr Capability List document number F-QAC052, issued 01/20/2016, as revised.

Limited Ratings - Specialized Services

<u>Rating</u>	<u>Specifications</u>	<u>Limitations</u>
None Authorized		

1. The Certificate Holder applies for the Operations in this paragraph.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Anthony H Manachi, Principal Avionics Inspector (FS58)
[1] SUPPORT INFO: Company Name Change.
[2] EFFECTIVE DATE: 1/30/2020, [3] AMENDMENT #: 2
DATE: 2020.01.30 09:47:42 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.



Mingyang (Eric) Zhang, Quality Manager

24 - Feb - 2020

Date

A004 . Summary of Special Authorizations and Limitations

HQ Control: 09/23/1998

HQ Revision: 010

a. The certificate holder, in accordance with the reference paragraphs, is authorized to:

	Reference Paragraphs
Use an acceptable electronic recordkeeping system, electronic/digital signature, and/or electronic media.	A025

b. The certificate holder is *not authorized* and *shall not*:

	Reference Paragraphs
Use Exemptions.	A005
Perform maintenance with ratings for repair stations located outside the United States under a Bilateral Aviation Safety Agreement with Maintenance Provisions.	A060
Perform work, including continuous operations, at additional locations other than at its primary fixed location.	A101
Conduct operations choosing to have an antidrug and alcohol misuse prevention program.	A449
Perform maintenance in accordance with foreign repair station geographic authorizations.	B050
Perform work, excluding continuous operations, at additional locations other than at its primary Fixed Location.	D100
Perform line maintenance for cert. holders conducting operations under Parts 121 and 135 and for foreign carriers/persons operating non-U.S. registered aircraft in common carriage under Part 129, apart from D100 which authorizes that work away from station.	D107

1. The Certificate Holder applies for the Operations in this paragraph.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Anthony H Manachi, Principal Avionics Inspector (FS58)
[1] SUPPORT INFO: Company Name Change.
[2] EFFECTIVE DATE: 1/30/2020, [3] AMENDMENT #: 2
DATE: 2020.01.30 09:47:46 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

3A

Mingyang (Eric) Zhang, Quality Manager

24-Feb-2020

Date

A007 . Designated Persons

HQ Control: 09/08/2021

HQ Revision: 03a

- a. The personnel listed in the following table are designated to officially apply for and receive operations specifications for the certificate holder indicated below.

Table 1 – Designated Persons to Apply for and Receive Authorizations

Title	Name	Parts Authorized	Email Address
FAA Accountable Manager, 145 / General Manager	Thevenot, Eric	A	Eric.Thevenot@liebherr.com
Director of Quality Assurance / Quality Manager	Zhang, Mingyang (Eric)	A	Mingyang.Zhang@liebherr.com

- b. The following personnel listed in Table 2 are designated by the certificate holder to receive Information for Operators (InFO) messages for the certificate holder as indicated below. A receipt for the information by an operator or person is not required.

Table 2 – Designated to Receive InFO Messages

Name	Email Address	Telephone No.	Type of Information to Receive
Zhang, Mingyang (Eric)	Mingyang.Zhang@liebherr.com	+86 21 2033 7826	ALL

1. Issued by the Federal Aviation Administration.
2. These Operations Specifications are approved by direction of the Administrator.



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[1] SUPPORT INFO: HQ Template Revision.

[2] EFFECTIVE DATE: 2/25/2022, [3] AMENDMENT #: 4

DATE: 2022.02.25 10:02:26 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

Eric Thevenot, General Manager

2022.2.28

Date

**A025 . Electronic/Digital Recordkeeping System,
Electronic/Digital Signature, and Electronic Media**

HQ Control: 04/03/2017

HQ Revision: 00b

a. The certificate holder is authorized to use an acceptable electronic/digital recordkeeping system, described and/or referenced in this paragraph (if none, enter N/A.)

N/A

b. The certificate holder is authorized the use of the following electronic/digital signature procedures (if none, enter "N/A").

N/A

c. The certificate holder is authorized to use electronic media for the repair station and quality control manuals, if acceptable (if none, enter "N/A").

Repair Station & Quality Control Manual Chapter 0, Paragraph 0.3 and Chapter 1, Paragraph 1.1.

1. The Certificate Holder applies for the Operations in this paragraph.

2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Anthony H Manachi, Principal Avionics Inspector (FS58)

[1] SUPPORT INFO: Company Name Change.

[2] EFFECTIVE DATE: 1/30/2020, [3] AMENDMENT #: 3

DATE: 2020.01.30 09:49:33 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.



Mingyang (Eric) Zhang, Quality Manager

20-Feb-2020

Date