







for Special Equipment (Lifts)

Certificate Number: TSX F33002220160109

Applicant

: Oleo Buffers (Shanghai) Co., Ltd.

Registered address of applicant

:Plant A15, Xinfei Garden No. 3802, Shengang Road,

Songjiang, Shanghai

Manufacturer

:Oleo Buffers (Shanghai) Co., Ltd.

Address of manufacturing

:Plant A15, Xinfei Garden No. 3802, Shengang Road,

Songjiang, Shanghai

Classification

: Safety device

Varieties

:Elevator buffers

Product name

:Hydraulic buffer

Product type

:MLB16.1

Type test report number

:ETC16F330109 (1).ETC19F330YZ011

The product meets the requirements of Regulation for Type Test of Lifts(TSG T7007-2016), GB 7588-2003+XG1-2015,EN81-20: 2014,EN81-50: 2014.

Product types covered by the certificate: See attached table.

Product parameter and configuration covered by the certificate see the table attached.

(Stamp)

Date of submission: 2017-03-01

Date of change: 2018-02-05

Date of next replacement 2019 02-25

Deadline of next check: 2021-03-01

Shanghai Jiao Tong University Elevator Test Center

Note: 1. The applicant is responsible for confirming that the products comply with the regulation and correlative standard specifications and are in accordance with the sample for type test.

- 2. The certificate is valid before the deadline of next check.
- 3. Period of validity of the certificate is always calculated from the date of submission even if the certificate is modified.

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Product parameter and configuration table

| Rated speed (m/s) | ≤1.6m/s | Max. striking speed (m/s) | 1.84m/s |
|-------------------------|-----------------|-------------------------------|-----------------------|
| Min. mass (kg) | 450kg | Max. mass(kg) | 5500kg |
| Max. stroke length (mm) | (174.3~179.1)mm | Type and volume of liquid (L) | ISO VG68#oil 1.41L |
| Current-limited mode | Thin wall hole | Reset mode | Inner gas spring |
| Environment | Indoor | | |

Notes to table attached:

1. When the parameter or configuration listed in the attached table has been changed. The type test must be done again.

Description of changes:

Table of change of type test certificate

| Number | Item | Before the change | After the change | Date of change |
|--------|-------------------------|-------------------|------------------|----------------|
| 1 | Max. stroke length (mm) | 173.0mm | (174.3~179.1)mm | 2018-02-05 |