



深圳市特种设备安全检测研究院
SHENZHEN INSTITUTE OF SPECIAL EQUIPMENT INSPECTION AND TEST
T53507005-0201



TYPE-EXAMINATION REPORT

Report No.2012AF0747

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Name of production Lift Association of Guangdong Province

Model/Type EC-4026EF-100

Client Shenyang Bluelight Drive Technology Co., Ltd.

Manufacturer Shenyang Bluelight Drive Technology Co., Ltd.

SHENZHEN INSTITUTE OF SPECIAL EQUIPMENT INSPECTION AND TEST
GUANGDONG STATION OF ELEVATOR QUALITY SUPERVISION AND TESTING

检验专用章

Name	Lift Ascending Car Overspeed Protection Means		
Type Code	EC-4026EF-100		
Sample No.	20120638	Date of manufacture	/
Reducing manner	Braking the shaft	Product No.	/
Type test suspension ratio	1:1	Rated speed (m/min)	0.5-8.0

Balance factor	0.4-0.5	Tripping manner	Electric
Reset means	electrical	/	/
Type test suspension ratio 1:1			
Rated speed (m/s)	0.5-8.0	Tripping speed (m/s)	0.5-9.3
Rated load (kg)	1000-4000	Car-side mass (kg)	2800-4020
Counterweight-side mass (kg)	3300-6020	Permissible mass (P+W) (kg)	6100-10040

Car-side mass is sum of car mass with rated load and mass of counterweight-side mass. Additional mass is sum of the mass of accompanied cable, ropes and compensation chains etc.

Explanation

Client

Name: Shenyang BlueLight Drive Technology Co., Ltd.
Address: No. 37 Shiji Road, Hunnan New District, Shenyang, China

Manufacturer

Name: Shenyang BlueLight Drive Technology Co., Ltd.
Address: No. 37 Shiji Road, Hunnan New District, Shenyang, China

Place of inspection

Shenyang BlueLight Drive Technology Co., Ltd.

Inspection

Date of inspection: 2012/12/22

Condition

Temperature: 5.8°C, humidity: 44%RH

Standard for inspection

TSG T7001-2005 Regulation for Type Tests of Elevators and Inspection

Conclusion

By the Type-Examination, the product is confirmed to T7001-2005 Regulation for Type Tests of Elevators and Inspection for the construction and installation of electric lifts (equivalent).

All suitable item.

GB7588-2003 Safety

GB7588-2003 Safety

Be in accordance with TSG

GB7588-2003 Safety rules

(EN81-1:1998)

(stamp)

Date of issued: 2012-12-26

Inspected by: [Signature]

Approved by: [Signature]

Reviewed by: [Signature]

1 Test Result.

No.	Item No.	Item Description	Inspection result	Conclusion
1	1.1	The composite number of the ascending car overspeed protection means.	overspeed governor brake device.	passed
2	1.2	The position where the decelerating element to grip	Braking the shaft	passed
3	2	The tripping speed of the speed monitoring	0.575m/s-9.2m/s	passed
4	3.1	The structure of the ascending car overspeed protection means	meet the required dimension	passed
5	3.2 the decelerating element	a. Check braking function	meet the requirements	passed
6		b. The maximum of the deceleration of the car in upwards direction	0.484 g _n	passed
7		c. Check the braking function after release	meet the requirements	passed
8	3.3	d. Check the sample after test.	meet the requirements	passed
9	4.1	The else requirements when the gear to be drive with the rated force	meet the requirements	passed
10	4.2	The electrical protection device.	meet the requirements	passed
11	4.4	Check how to reset	meet the requirements	passed

The maximum tripping speed 9.2m/s is a nominal value on the nameplate of the overspeed governor of the sample elevator.

Explain

2 Test data

2.1 Brake device should be tested four times with the rated speed 0.5m/s rated (P+W)= 6100kg

Maximum deceleration (g _n)	The braking distance(mm)	Test No.	The maximum tripping speed (m/s)	The average deceleration (g _n)	The maximum deceleration (g _n)
0.483	29	1	0.50	0.445	0.483
0.484	71	2	0.71	0.426	0.484
0.433	95	3	0.85	0.389	0.433

4	0.71	0.406	0.456	63
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2.2 Brake device should be tested four times with the rated speed 4.0 m/s, rated load 12500 kg, (P+W)=

10000 kg.

Test No.	The maximum tripping speed (m/s)	The average deceleration (g_n)	The maximum deceleration (g_n)	The braking distance(m)
1	5.62	0.251	0.286	7.64

2.3 Brake device should be tested four times with the rated speed 6.0 m/s, rated load 4000 kg, (P+W)=10000 kg.

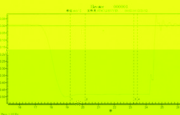
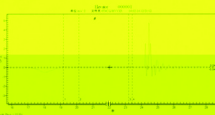
Test No.	The maximum tripping speed (m/s)	The average deceleration (g_n)	The maximum deceleration (g_n)	The braking distance(m)
1	9.0	0.120	0.143	45.23
2	9.0	0.115	0.135	45.07
3	9.1	0.114	0.167	49.87
4	9.1	0.096	0.135	47.82

2.4 The rack should be strong after above tests, the brake device has no permanent deformation.

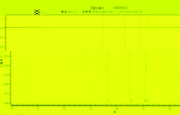
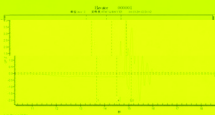
3 Test Graphs

3.1 Brake device should be tested four times with the rated speed 4.0 m/s, rated load 10000 kg, (P+W)= 6100 kg.

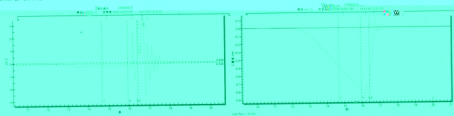
The first time



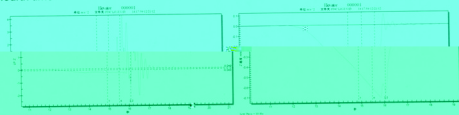
The second time



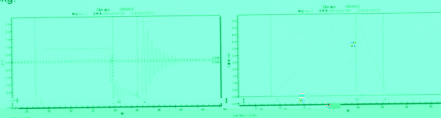
The third time



The first time

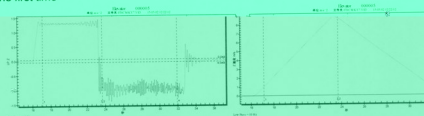


3.2 Brake device should be tested one time with the rated speed of 400m/s, rated mass of 250kg.

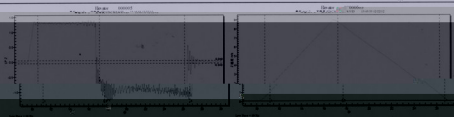


3.3 Brake device should be tested one time with the rated speed of 400m/s, rated mass of 400kg.

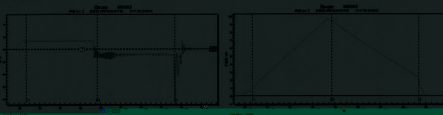
The first time



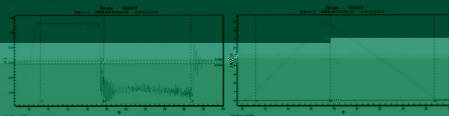
The second time



The third time



The fourth time



4 Photo of the sample



5 The test results



深圳市特种设备安全检验研究院
TS7610038-2011



FS0005 (第1) 类特种设备检验检测机构
有效期至2013年12月6日



认证证书
CNAS L0916

TYPE EXAMINATION CERTIFICATE

Certificate No. TX F350-038-12 0658

Page 1 of 2

Product type: Expansion Gasket, Gaskets, Seal Retention Means, FC 4030 25E 100

Name and address of certificate Holder: Shenyang BlueLight Drive Technology Co., Ltd.

No.33, Shiji Road, Hunnan, New District, Shenyang, China

Manufacturer's name & address: Shenyang BlueLight Drive Technology Co., Ltd.

No.37 Shiji Road, Hunnan New District, Shenyang, China

Date of Submission for type examination: 2012-12-15

Test place: Liaoning Aikang Int'l Co., Ltd.

Inspection Report No.: 2012-12-15

