Report No. 2020AF0016

Type -Examination Report of Special Equipment
LIFT

Product category	Lift Safety Protection Device
Equipment Type	Lift Ascending Car Overspeed Protection Means (speed reducing element)
Product name	Traction machine brake
Model/Type	BLS
Manufacturer	SHENYANG BLUELIGHT DRIVE TECHNOLGY CO., LTD.
Applicant	SHENYANG BLUELIGHT DRIVE TECHNOLGY CO., LTD.

TYPE-EXAMINATION REPORT of
SPECIAL EQUIPMENT
(LIFT)

1. Sample configuration and technical data

Equipment Name	Lift ascending car overspeed protection means (speed reducing element)		
Product Name	Traction Machine Brake	Model/Type	[redacted]
Working condition	Indoor	Explosive-proof type	Not applicable
No-load system mass range	900kg-4800kg		

3. Sample check and test

1. Test item and results

No.	item code and name	item contents and requirements	Results	Conclusion
	Q6.1 Action Part	Speed reducing element shall act: (1) to the car; or (2) to the counterweight; or (3) on the rope system(suspension or compensating); or (4) traction sheave (e.g.on the traction sheave directly or on the same shaft in the immediate vicinity of the sheave) Note: Instantaneous safety gear cannot be used as speed reducing element of Ascending Car Overspeed Protection Means.	Action part: (4)	Passed
		Stopping test should be performed to Q6.2.4 on the entire elevator or simulation such as test bed. The stopping test must meet the following requirements: 2.1 When speed monitoring element acts, speed reducing element shall cause the car to stop, or at least reduce its speed to that for which the counterweight buffer is designed.	Meet the requirements	Passed
		2.2 The means shall not allow the retardation of the empty car in excess of 1 g_n during the stop phase.	Max. deceleration: 0.620 g_n	Passed
		2.3 After its release, the means shall be in condition to operate.	Meet the requirements	Passed
		2.4 After tests, there shall be no fracture, deformation and other changes(for example, cracks , deformation or wear of the gripping elements, appearance of		
2	Q6.2 Stopping test			

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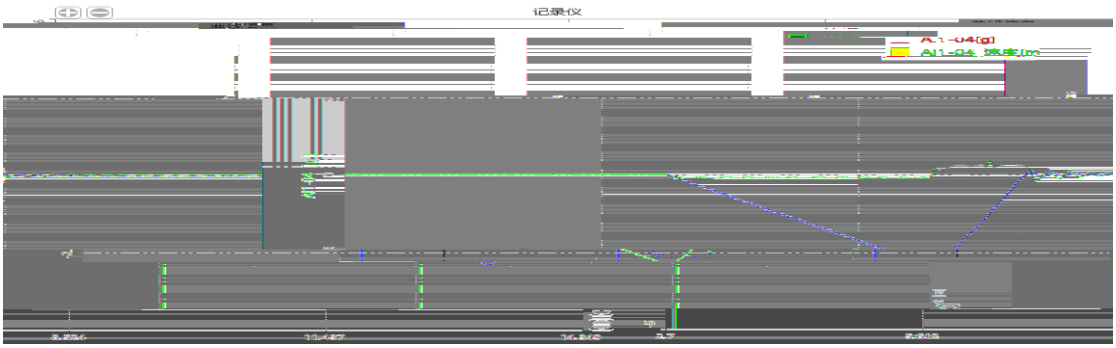
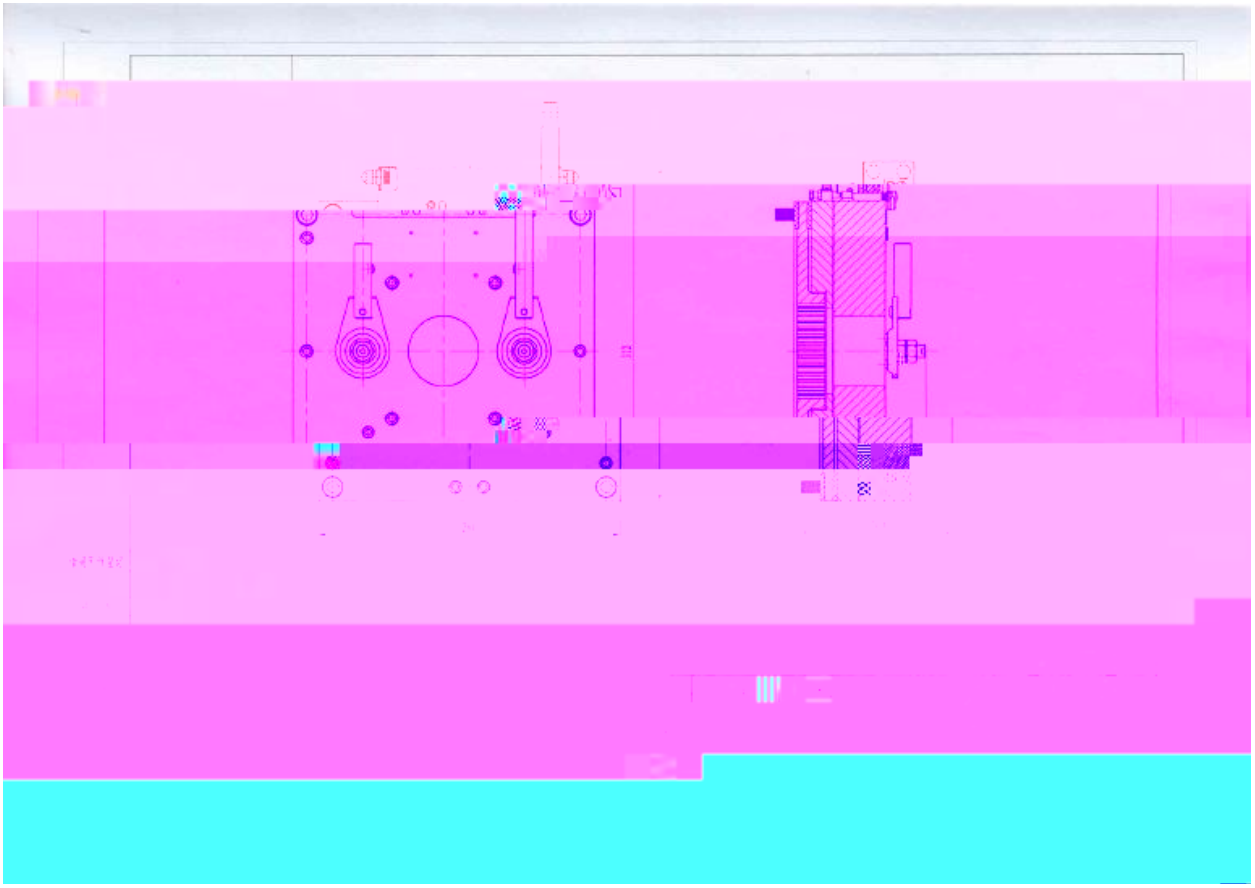
No.	item code and name	item contents and requirements	Results	Conclusion
3	Q6.3 External Energy	If the means requires external energy to operate, the absence of energy shall cause the lift to stop and keep it stopped. This does not apply for guided compressed springs.	Energy of the brake part guided compressed spring	Passed
4	Q6.4 Electric Safety Device	The means shall operate an electric safety device if it is engaged. Note Q-4: When counterweight overspeed governor-safety gear system is adopted, the electrical safety device can be installed on the counterweight overspeed governor. When traction machine brake is taken as speed reducing element of ascending car overspeed protection means, the electrical safety device can be installed on the speed monitoring element.	Meet the requirements	Passed
5	Q6.5 Release			



3. Sample Photo and drawing



4 .Additional Information

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4. Changes of The Type-Examination Report