

FINAL INSPECTION DOCUMENT 203473 FI

To: Ac Elevator Co LTD

Owner: HSCCORP

Site Address: 140 Church street, Warkworth

Devices: 62056

Attention: Alex Colter

Purpose:

On August 29th, 2022, Solucore Inc. performed a final inspection of the elevator at 140 Church Road in Warkworth Ontario. The purpose of the inspection was to perform a review under the provision of the specifications requiring inspection by the consultant prior to releasing the elevator to the public and to ensure that the installation is as stipulated in the specification.

Based on the results of our final inspection we deem the elevators to be substantially completed, however, we recommend withholding the final holdback until the report has been addressed.

Scope of work:

To assess the physical condition of the elevating device, a cursory inspection was performed. The cab modernization, machine room, car top, car top equipment and hoistway equipment were inspected. The elevator cab fixtures were inspected extensively to identify scratches, dents, damage, unusual wear, poor workmanship or use of poor material. No destructive or non-destructive testing was conducted.

We also inspected the performance times, door speeds and forces, elevator speeds, ride quality. This inspection also did not include a review of the safety aspects of the installation as this falls under the jurisdiction of the TSSA.

General

The governing authority has completed its final inspection and all elevators are approved for public use. The general impression of the work performed by Ac Elevator is a positive one.

The contractor shall commence with deficiency correction and report back with a schedule as to when the cab interior deficiencies along with the other elevator deficiencies will be scheduled for correction.

The deficiency report should be addressed in not later than 30 days from receipt unless a valid reason can be provided. Solucore will perform a follow up inspection upon written instruction from the contractor confirming completion of the deficiencies. If there are outstanding items at the time of the follow up any additional inspections required by the owner to close out the project will result in the cost being borne by the contractor.



New Equipment:

Designation	Car 1
TSSA/Installation No.	62056
Manufacturer	GAL
Sales Number	718405-22
Current Contractor	AC Elevator
Date Modernized	2022
Control Manufacturer	GAL
Control Type	e-Hydro
Elevator Classification	Passenger
Capacity (lbs)	2000
Contract Speed (fpm)	100
Motor Manufacturer	Hydraulik
Motor S/N	22A62H03
Motor Output	15 HP
Machine Model	Submersible
Valve Type	Maxton UC4MR E2
Cylinder Method	Direct Acting – In ground
Cylinder Protection	PVC
Rupture Valve	Blaine R10
Entrance type	SSSO
Entrance protection	3D Infrared
Entrance width (inches)	42
Entrance height (Inches)	84
Door Operator Type	MOVFE 2500
Door locks	GAL
Arrival Signal	Car Lantern
Car Operating Panel	Main
Floors Served	B, G,
Cab width (inches)	80
Cab depth (inches)	46.50
Cab height (inches)	96 (less drop)
Door Closer	Smarttork Spirators
Fire Service	Yes
Communication	Hands Free
Security	Not provided



Deficiencies:

General

1. Provide three (3) sets of operation manuals to the owner as per the specification.
2. Provide 5 complete sets (a set contains two keys) of keys (for each key type) to the Owner.
3. Provide the client with the required close out documentation as outlined in section 1.4 "Wiring diagrams and Manuals upon substantial completion";
4. Submit the clean and cleared TSSA inspection reports on all cars.
5. Label disconnect in machine room. - **Photo 6**

Hoistway

1. Fill out door operator Tag. – **Photo 1**
2. Put plug in car top trough. – **Photo 2**
3. Adjust smart tork so the white dot in inline with cable. - **Photo 3**
4. Adjust valve so it doesn't by pass basement landing.
5. Adjust hoistway access on 1st floor. - **Photo 4**
6. Adjust belt on door operator so belt is aligning top on bottom. - **Photo 5**
7. Increase the Door close speed.



Photo Reference:



Photo 1



Photo 2



Photo 3

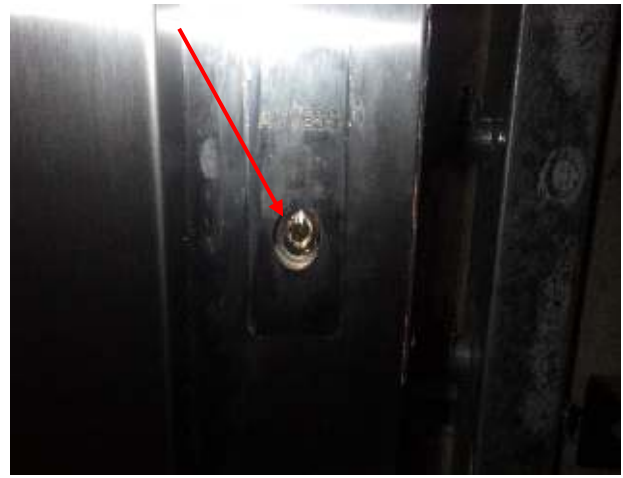


Photo 4



Photo 5



Photo 6



PERFORMANCE DATA

Notes on Performance Data

1. The operating time is measured from the time the doors begin to close until they are three quarters open at the next floor.
2. The door open time is measured from the time the doors begin to open until they are fully open.
3. The door close time is measured from the time the doors begin to close until they are completely closed.
4. The door dwell times are measured from the time the doors are fully open until they start to close after answering a hall or car call.
5. Unless otherwise stated, all times are in seconds, all distances are in inches, all speeds are in feet per minute, all capacities are in pounds, all sound levels are in decibels, all temperatures are in degrees Fahrenheit and all forces are in foot pounds.

PERFORMANCE TABLE

Designation:	1	Suggested
Speed Up	95.3	90 - 110 fpm
Speed Down	84.0	80-90 fpm
Operating time up	18	13.2 sec
Operating time down	19	13.2 sec
Door open time	3.5	2.5 sec
Door closed time	3.6	4.0 sec
Car call dwell time	2.8	2.0 – 2.5 sec
Hall call dwell time	5.4	3.5 – 4.5 sec
Door closing force	29	≤30 lbs
Levelling accuracy	+/- 1/8"	+/- 1/8"
X A95	4.9	6mg
Y A95	1.6	6mg
Z A95	5.7	6mg

Ψ - Operating times and door times should be discussed with building management.

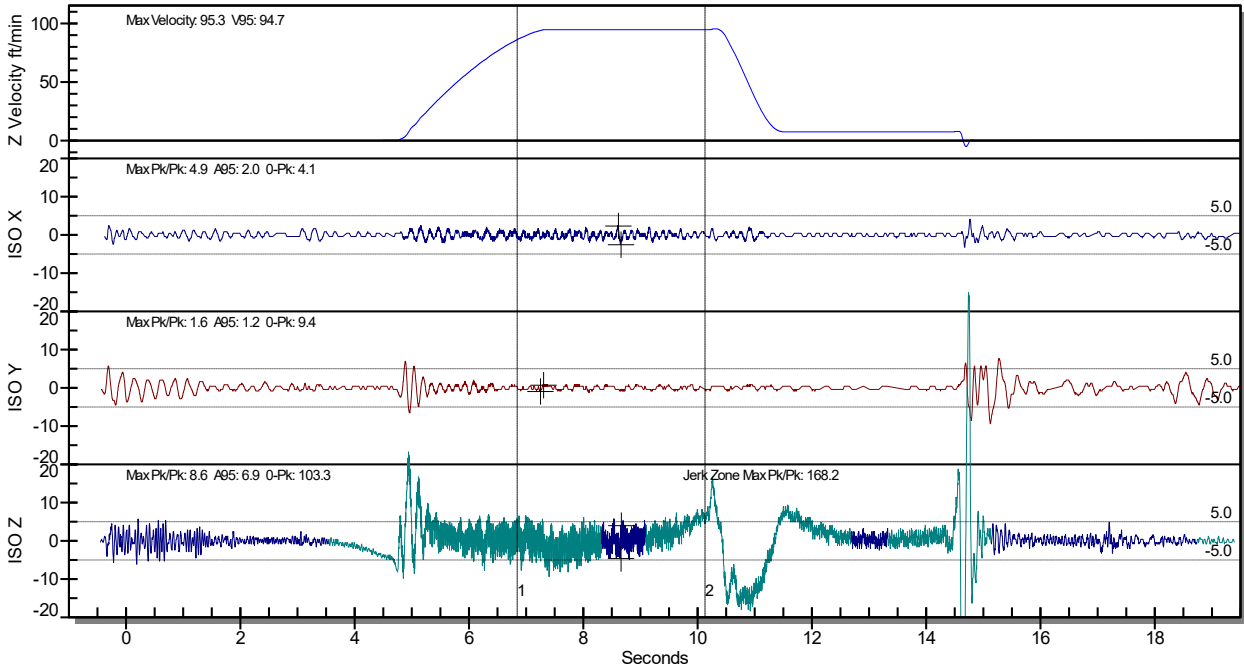


RIDE ANALYSIS

Car UP

140 Church Street Elevator/Escalator

Units: mill(g) File: LG1326O9.VE6 04:48:19 03/02/03



Car Down

140 Church Street Elevator/Escalator

Units: mill(g) File: LG1326NO.VE6 04:47:36 03/02/03

