29 May 2017

To: All Registered Lift/Escalator Contractors and Engineers

Dear Sirs,

Circular No. 8/2017
Examination of Escalators – Inspection of Escalator Driving System

Escalator driving system is crucial to the safe operation of escalator. During periodic examination of an escalator, the main drive chain shall be carefully inspected to confirm that it is free from crack, breakage and excessive elongation, and is in an acceptable safe condition for operation in accordance with the manufacturer’s recommendations and the Code of Practice on Lift Works and Escalator Works.

To better assure the safe working condition of the escalator driving system, you are required to submit an inspection record form for “Inspection of Escalator Driving System” to this Department within one month after completion of (i) new installation works (including major alteration works involving replacement of drive chain or components of a driving system); and (ii) periodic examination of escalators.

In case of non-compliance found on drive chains and/or sprockets, photographs must also be provided with your submission. If conditions of drive chain system are within the acceptable range (i.e. no need to submit these photographs with the inspection record form), submission of record photographs is optional. You are required to keep all records including photographs, and you may be requested to submit these records and photographs for our sample checking.

You are required to complete and submit the form via our departmental e-platform starting from 1 June 2017. To facilitate your submission of the form on-line, the procedure to access the inspection form is illustrated in the attached screen shots in Appendix 1.

If you have any query on this Circular, please contact my engineer, Mr. Jerry WONG, at 2808 3117.
Yours faithfully,

(CHEUNG Kim Ching)
for Director of Electrical and Mechanical Services

C.C.
The Lift and Escalator Contractors Association
The Registered Elevator and Escalator Contractors Association Limited
The International Association of Elevator Engineers
The Hong Kong General Union of Lift and Escalator Employees
Screen Shot for the procedure to access the form of "Inspection of Escalator Driving System"

1. Select “Inspection of Escalator Driving System”

2. New Section “Inspection of Escalator Driving System" is ready for input.

Inspection of Escalator Driving System

Submitted by: 
Field marked with an asterisk (*) are mandatory.

General Information:

ESC No.: 
Section ID: 
Examination date (DD/MM/YYYY): 
Installation Address: 
Escalator No.:

Basic Information:

• Does the Escalator equipped with Drive Chain? [ ] Yes [ ] No

Information of the Drive Chain:

• Inspection of teeth of sprockets, to check any broken teeth or unusual wear & tear and nothing [ ] Yes [ ] No

• Inspection of drive chain, any cracks or breakage along the drive chain? [ ] Yes [ ] No

If any one of the above two items was "No", Integrity checking the irregularities is/are required:

• Check drive chain [ ] Yes [ ] No
• Check drive chain [ ] Yes [ ] No
• Check drive chain [ ] Yes [ ] No

• Inspection of drive chain, any uneven involving along the drive chain? [ ] Yes [ ] No

• Measured distance in between [ ] pitches of the drive chain(s) at least 3 selected locations:
  a) 1st location [ ] mm
  b) 2nd location [ ] mm
  c) 3rd location [ ] mm
  d) 4th location [ ] mm
  e) 5th location [ ] mm

Based on the information provided by manufacturer, original distance in between [ ] pitches of the drive chain is [ ] mm

• Any uneven or excessive elongation along the drive chain? [ ] Yes [ ] No

The drive chain slack length provided by the manufacturer:

• Elongation is exceeded by [ ] mm or
• Any elongation is between [ ] pitches is exceeded by [ ] mm or
• Other, please elaborate [ ] mm (max 50 characters)

Submit | Reset

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