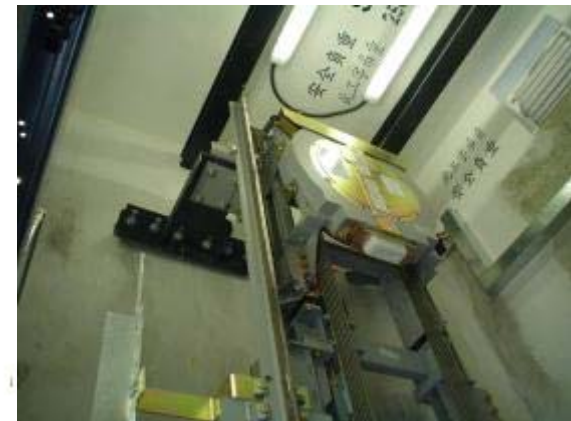
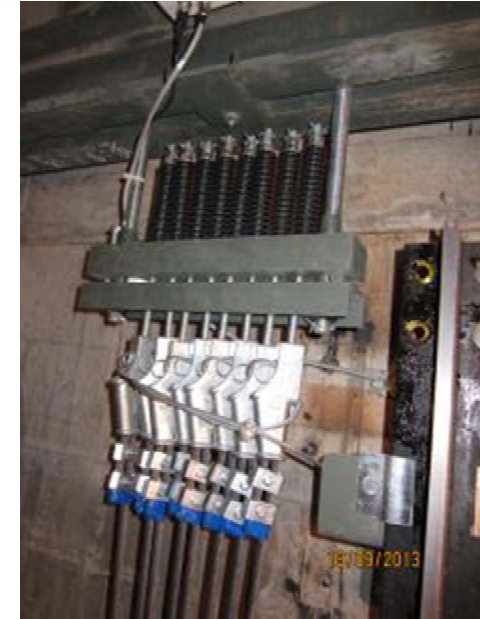


Lift Suspension System

Visual Inspection for Lift Suspension System

Suspension System:

1. Confirm the ratio between the pitch diameter of sheaves, or pulleys and diameter of suspension ropes shall be at least 40
2. Confirm effective guard is provided to prevent ropes leaving the pulleys if there is(are) moving sheave(s) at car top and shall be designed such that it will not hinder the inspection of rope & sheave as well as it can avoid trapping of foreign objects.

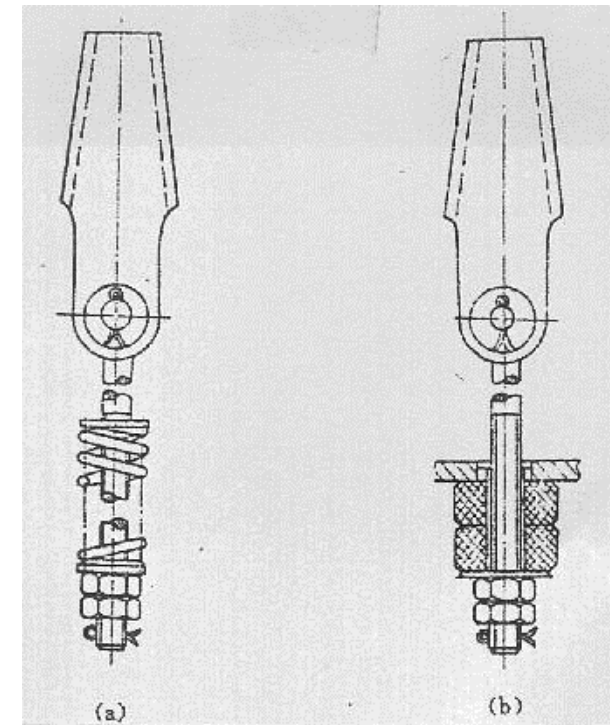


Lift Suspension System - Termination

Termination of Ropes

- **Rope Equalizing Gear**

- For equalizing the tension of suspension ropes, at least at one of their ends, an automatic device shall be provided.
- Rope equalizing gear can also act as damping device to reduce car vibration.
- If springs are used to equalize the tension, they shall work in compression.
- Following shows 2 common types of equalizing gear, namely the spring type tension equalizer Fig.(a) and rubber type tension equalizer Fig.(b).



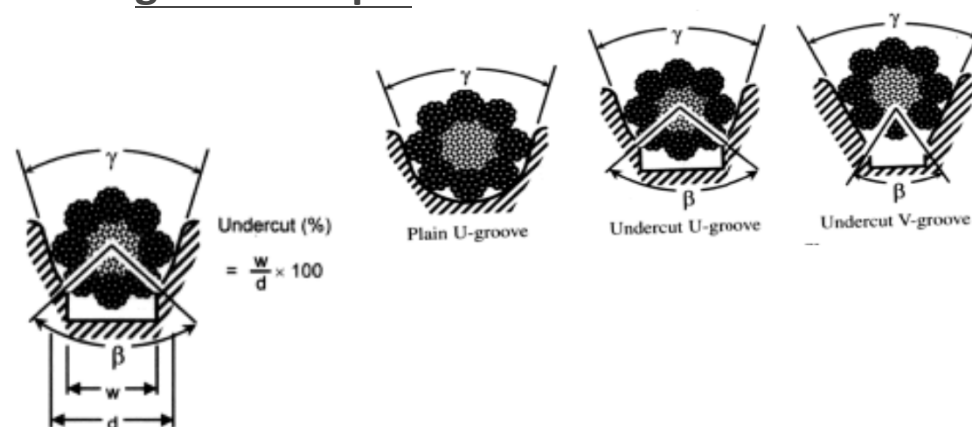
Lift Suspension System - Sheaves

Determining factors for rope traction

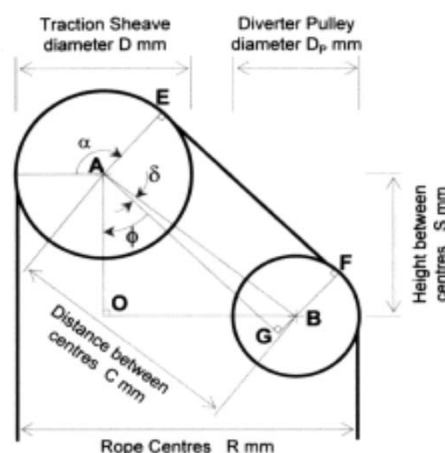
- Specific pressure between groove and rope is related to the load and area of contact, dependent upon the groove shape and the extent of any undercut

Fraction of rope/groove diameter

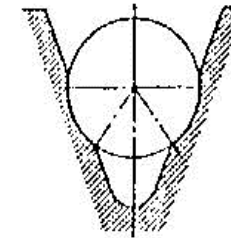
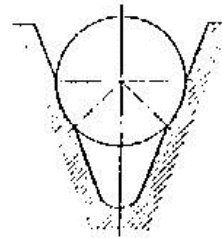
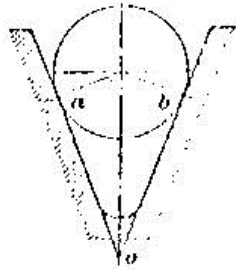
- d = groove diameter
- w = undercut in the groove



Angle of wrap of the rope

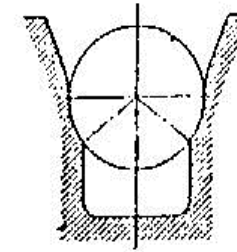
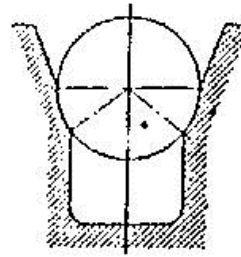
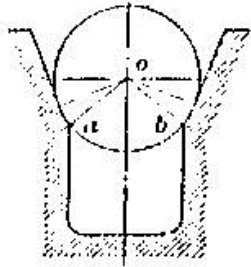


Lift Suspension System – Sheave in V Groove



- **Advantage :**
 - Lesser the angle of V , higher the traction force
- **Disadvantage :**
 - Higher vibration and noise as suspension ropes entering to and departing from the traction sheave
- **Application :**
 - Suitable for low speed lift with rated speed at or below 1.75 m/s

Lift Suspension System – Sheave Undercut U Groove

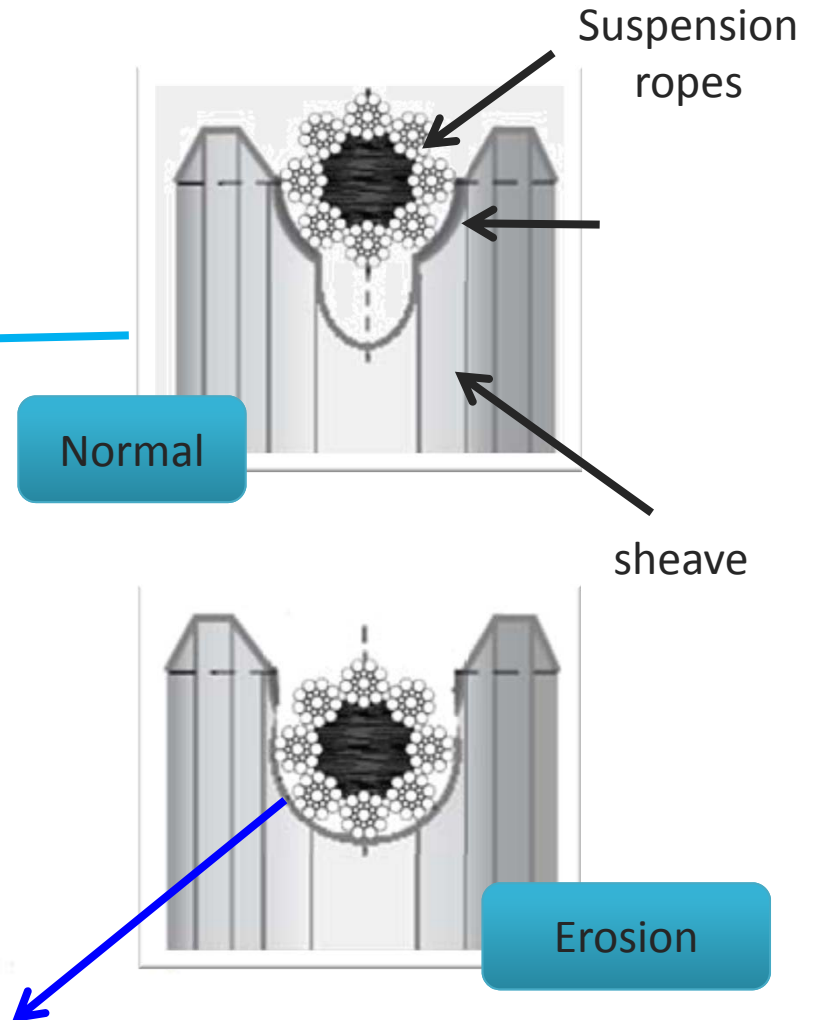


- **Advantage :**
 - Suitable for higher rated load
 - Vibration and noise can be reduced as suspension ropes entering to and departing from the traction sheave
- **Disadvantage :**
 - Lower traction force
- **Application :**
 - Application for rated speed at or above 2.0 m/s

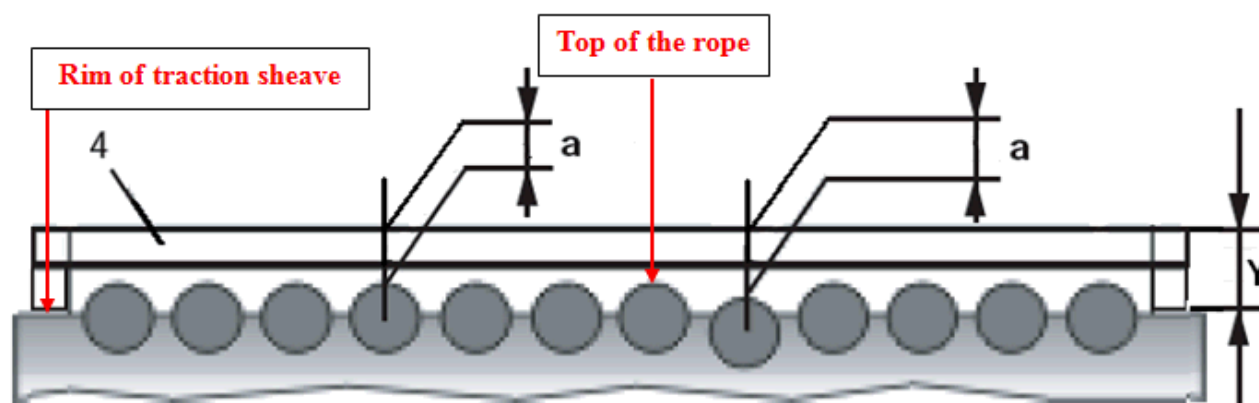
Lift Suspension System - Sheave



Groove with red powders



Lift Suspension System - Sheave



Lift Suspension System - Sheave

檢查纜轆坑槽高低 Δa :

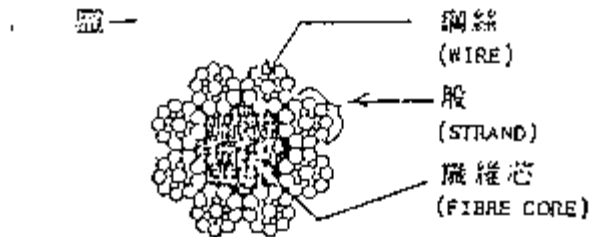
- ☐ 行車纜轆坑全部的數目，包括不被使用的在其編號之下劃上「X」。
- ☐ 行車纜面至鋼條(4)面之距離數值 $Y =$ mm， a = 鋼條(4)面至纜面之距離數值。

$Y = 20 \text{ mm}$

纜轆坑槽	1	2	3	4	5	6	7	8	9
$a(\text{mm})$	25.4	25.3	25.6	25.3					
$Y-a(\text{mm})$	5.4	5.3	5.6	5.3					
行車纜直徑	12.0	11.9	12.0	11.8					
纜生銹程度	No	No	No	No					
纜斷支程度	0	0	0	0					

Lift Suspension System - Ropes

- Stranded Steel Wire Rope :
 - An assembly of strands laid helically in one layer around a core

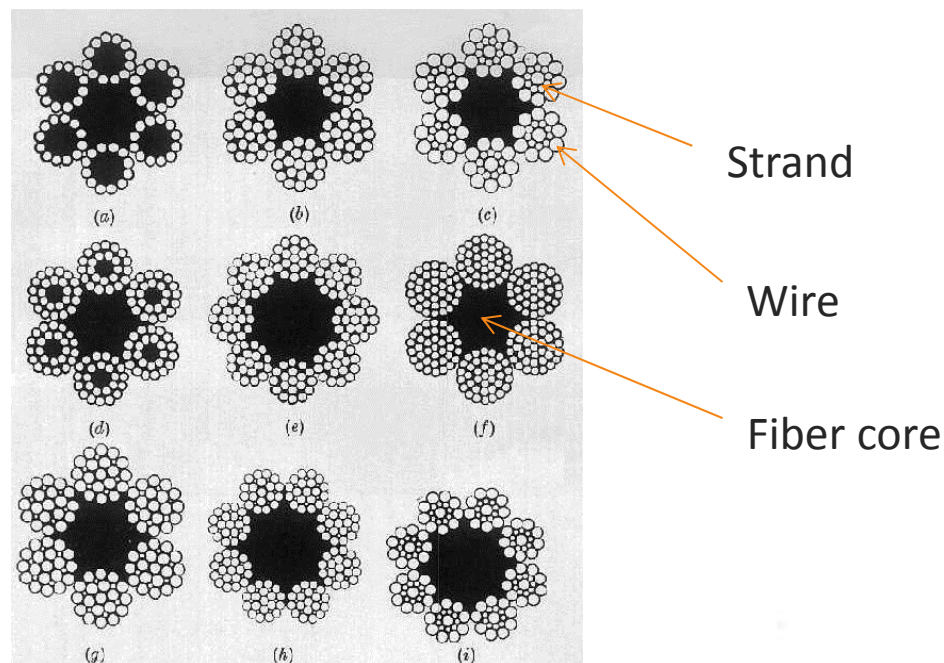


Lift Suspension System - Ropes

Rope Types and Specification

- Popular lift rope constructions - They are round stranded with 6 or 8 strands. The most popular suspension ropes are 6x19 Filler, 6x19 and 8x19 Seale.
- Some round stranded rope sections for lifts are illustrated in the figures below:

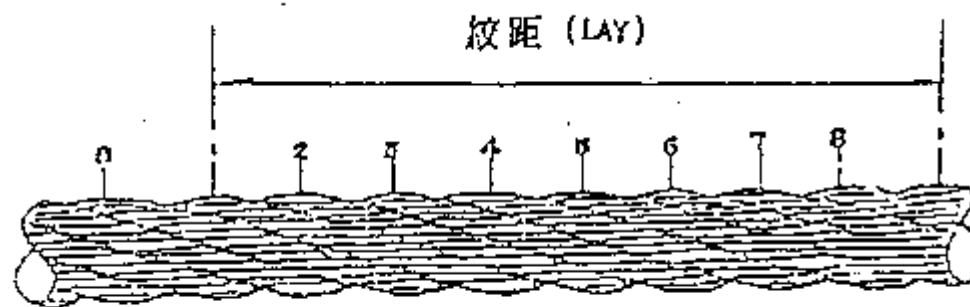
- (a) 6 x 12 and fibre
- (b) 6 x 19
- (c) 6 x 19 Seale (9/9/1)
- (d) 6 x 24
- (e) 8 x 19
- (f) 6 x 37
- (g) 6 x 19 with fillers (12/6/1)
- (h) 8 x 19 with fillers (12/6/1)
- (i) 8 x 19 Seale (9/9/1)



Lift Suspension System - Ropes

- Strand lay length:
 - To measure one rope lay, mark a spot on one strand, then with a finger, trace that strand along one complete wrap around the rope, then make another mark on the same strand. This distance between the marks is one rope lay (normally 6.5 times of rope diameter)

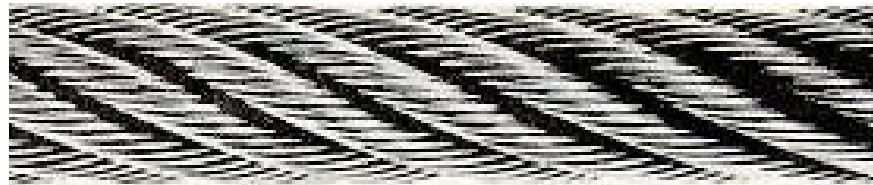
圖二



(6 × 1 9 鋼絲繩絞距示意圖)

Lift Suspension System - Ropes

- Ordinary lay:
 - Stranded rope in which the direction of lay of the wires in the outer strands is in the opposition direction to the lay of the outer strands in the rope.

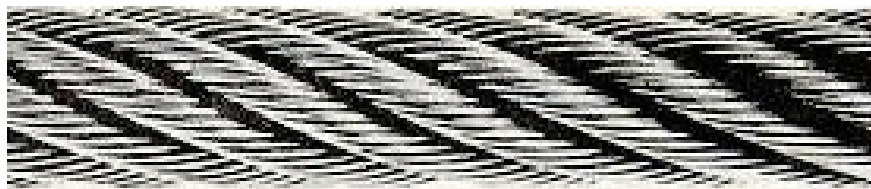


- Lang's lay:
 - Stranded rope in which the direction of lay of the wires in the outer strands is the same direction as that of the outer strands in the rope.



Lift Suspension System - Ropes

- Advantages for Ordinary lay:
 - Relatively high flexibility and long service life
- Disadvantages for Ordinary lay:
 - Wires easily loose out from the strands and cause unexpected nodes
 - Use small diameter of sheave if 12 mm rope is used

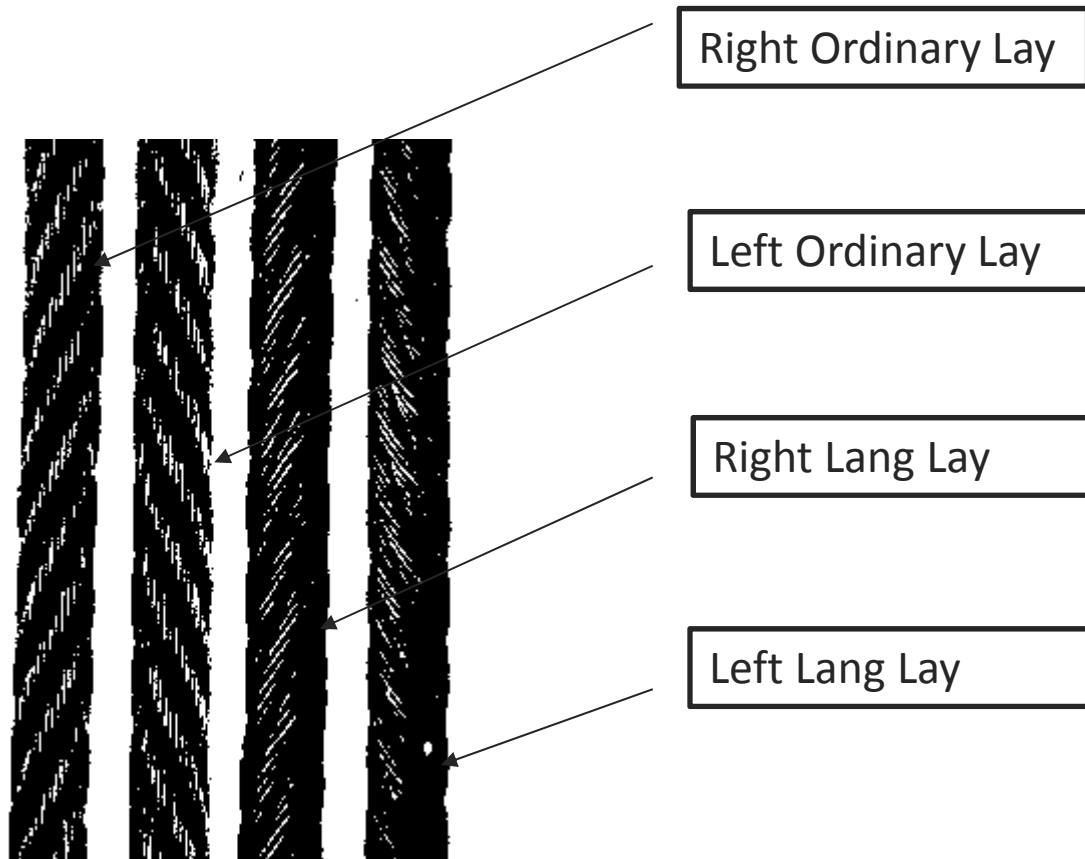


Lift Suspension System - Ropes

- Advantages for Lang lay:
 - Tight construction and avoid unexpected node
- Disadvantages for Lang lay:
 - Relatively low flexibility, easily cause broken wires and relatively short service life
 - Require larger diameter of sheave if 12 mm rope is used



Lift Suspension System - Ropes



Lift Suspension System - Ropes

- Measure the rope diameter



Lift Suspension System - Ropes

Rope Types and Specification

- Material - High quality steel with:
 - Carbon contents 0.4% - 1%
 - Phosphorus and sulphur contents less than 0.035% to restrict rope brittleness
- Size - Usually $\frac{1}{4}$ " (6mm) - $\frac{7}{8}$ " (22mm) in terms of nominal diameter. The max. variation between any of the 4 measurements is less than 3% of the nominal rope diameter.

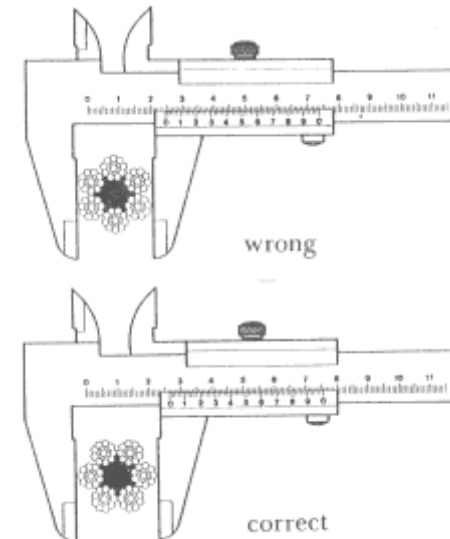
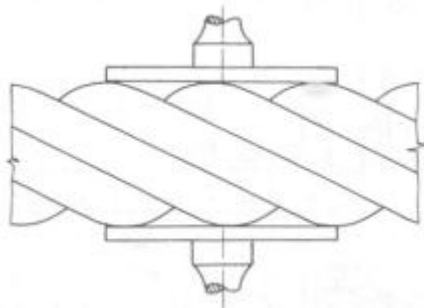
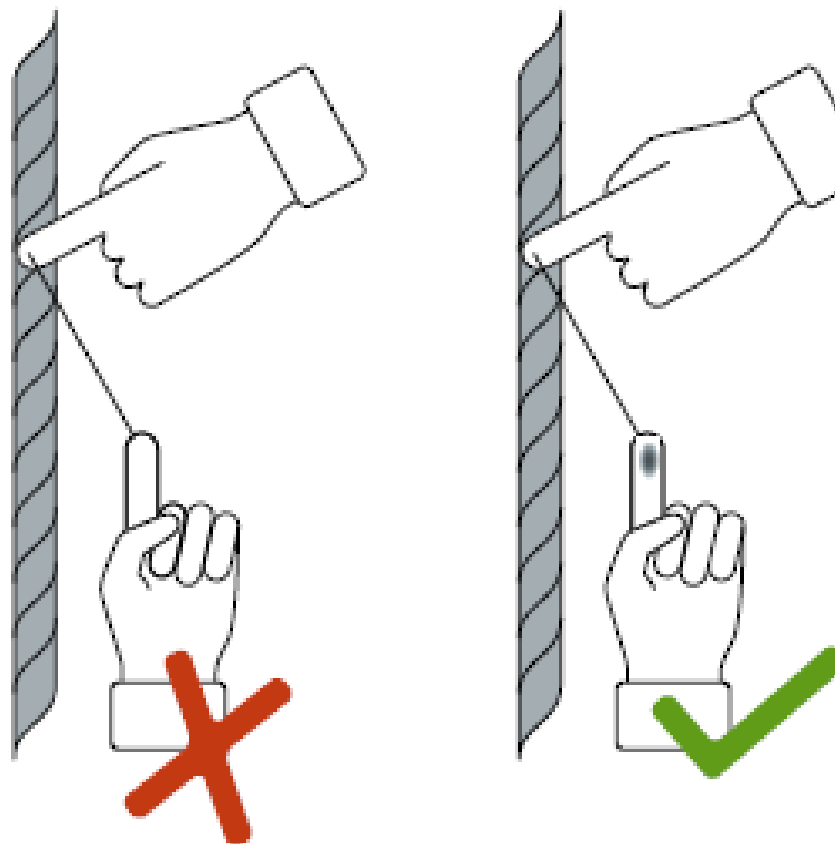


Fig. 2.7 - Measuring rope diameter with a vernier gauge.

Lift Suspension System - Ropes

Rope Types and Specification



Ropes Lubrication

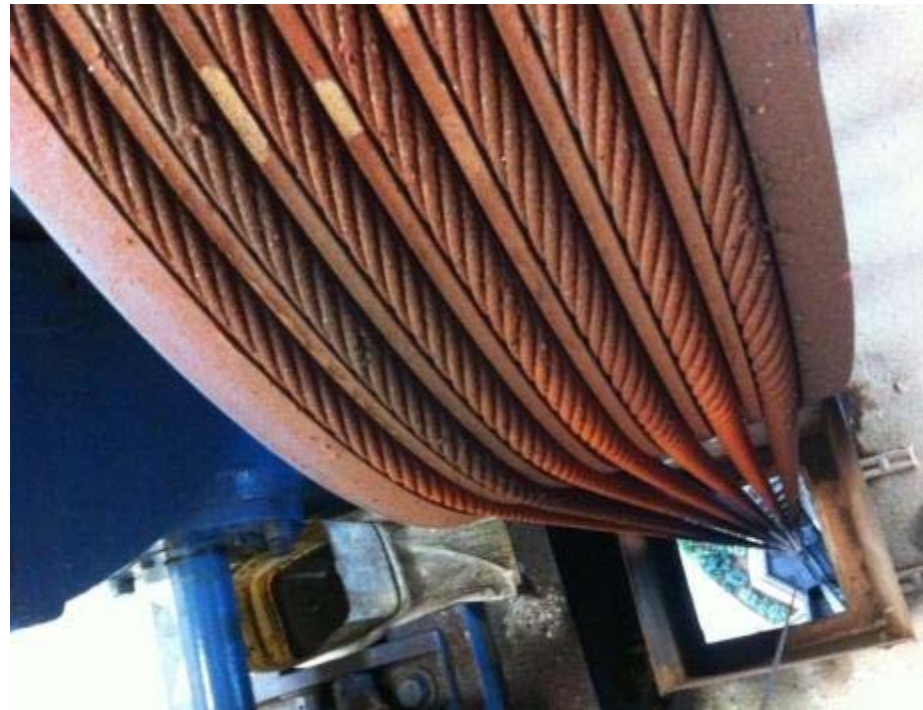
Lift Suspension System - Ropes

□ Broken wires



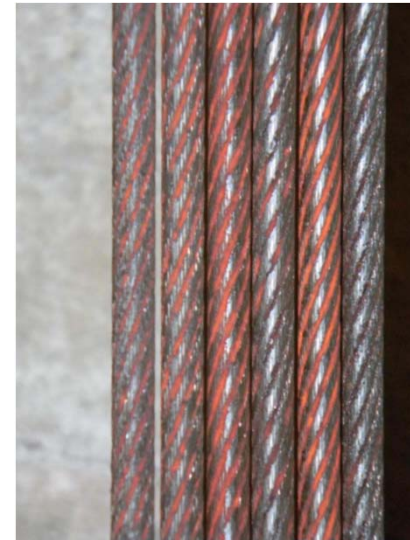
Lift Suspension System - Ropes

- Rusting



Lift Suspension System

- Rusting



Lift Suspension System – COP Requirements

Rope Conditions	Rope Replacement Criteria	
	6-strand x 19 rope	8- or 9-strand x19 rope
	6-strand x 25 rope	8- or 9-strand x 25 rope
Reduction in diameter	10%	10%
No. of broken wires randomly distributed among the outer strands	>24 per rope lay	>32 per rope lay
No. of broken wires randomly distributed among the outer strands when severe rusting or extensive rouging of the rope is observed	>12 per rope lay	>16 per rope lay
No. of broken wires concentrating in one or two outer strands	>12 per rope lay	>16 per rope lay
No. of broken wires concentrating in one or two outer strands when severe rusting or extensive rouging of the rope is observed	>6 per rope lay	>8 per rope lay
No. of adjacent broken wires in one outer strand	>4 and the no. of broken wires per rope lay >12	>4 and the no. of broken wires per rope lay >16
No. of adjacent broken wires in one outer strand when severe rusting or extensive rouging of the rope is observed	>2 and the no. of broken wires per rope lay >6	>2 and the no. of broken wires per rope lay >8

Lift Suspension System – COP Requirements

- Screening and sample checking are also arranged. Photos will be sample checked each month and site inspection will be arranged to verify the submission

Lift Suspension System – COP Requirements

- RC and RE should inspect and take records on the suspension system upon completion of new installation (including major alteration works involving ropes/sheaves replacement) and periodic examination.
- The Inspection Record Form for Suspension System should be completed and submitted within one month after completion of examination.
- For non-compliance found on suspension ropes and/or traction/deflection sheave, photos must also be provided with the Form.
- RC and RE are also required to keep photos of traction sheave, deflection sheaves, anchorages and suspension ropes of the lift suspension system for traceable record even if conditions of these components are within the acceptable range.
- In particular, photos should be taken for the portion of suspension ropes adjacent to drive sheave inside the lift machine room as the lift car is set to main floor and highest landing floor. Depending on site situation and the type of lift, the photos can also be taken from lift car top.

Lift Suspension System – COP Requirements

Inspection Record Form for Suspension System

General Information:

RE No.:	RE No.:	Location ID:	Examination Date (DD/MM/YYYY):
Installation Address:		Lift No.:	
Project No.:		Project Name:	

Information of the Suspension Ropes

No. of ropes:	Type:	Nominal Diameter (mm):
Make/Model:	Certification No.:	Installation Date (DD/MM/YYYY):

Information of the Traction Sheave:-

Rope Diameter of Traction Sheave (mm):	
Rope Diameter of Deflection Sheave (mm):	

Inspection Records of Traction Sheave and Deflection Sheave (Electric Lift Only)

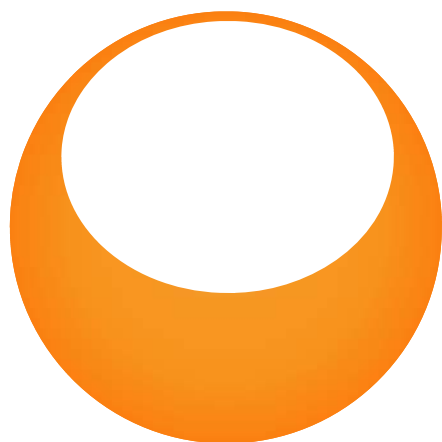
1.	<input type="checkbox"/> Pass - with acceptable wear in top band of all sheaves
2.	<input type="checkbox"/> Pass - Traction Sheave with wear true within acceptable range Measured vertical distance from the top of the rope to the rim of the Traction Sheave _____ mm (for deepest groove)
3.	<input type="checkbox"/> Pass - Deflection Sheave(s) without abnormal noise and uneven wear
4.	<input type="checkbox"/> Fail Traction Sheave to be _____ or replaced due to following reason(s): <input type="checkbox"/> (i) bottoming of winding groove <input type="checkbox"/> (ii) failure of traction test with load <input type="checkbox"/> (iii) reaching discard criteria of lift manufacturer <input type="checkbox"/> (iv) Others, please specify: _____
5.	<input type="checkbox"/> Fail Deflection Sheave to be _____ or replaced due to following reason(s): <input type="checkbox"/> (i) bottoming of winding groove <input type="checkbox"/> (ii) reaching discard criteria of lift manufacturer <input type="checkbox"/> (iii) Others, please specify: _____
Insert photo 1 (x3 MB):	
Insert photo 2 (x3 MB):	
Insert photo 3 (x3 MB):	

Inspection Records of Anchorages

1.	Type of Anchorages:	Date:
----	---------------------	-------

Counterweight:																															
2. The anchorages have been examined and found in good working condition <input type="radio"/> Pass <input type="radio"/> Fail																															
Inspection Records of Suspension Ropes																															
1.	<input type="checkbox"/> Pass - with acceptable wear in top band																														
2.	<input type="checkbox"/> Pass - with acceptable ranging measured length _____ (m) when lift is at _____ (floor)																														
3.	<input type="checkbox"/> Pass - with acceptable reduction in diameter																														
	<table border="1"> <tr> <th>Rope No.</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> </tr> <tr> <td>Measured Diameter (mm)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Rope No.	1	2	3	4	5	6	7	8	9	Measured Diameter (mm)																			
Rope No.	1	2	3	4	5	6	7	8	9																						
Measured Diameter (mm)																															
4.	<input type="checkbox"/> Pass - with acceptable broken wires																														
	<table border="1"> <tr> <th>Rope No.</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> </tr> <tr> <td>No. of broken wires per rope lay</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Location</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Rope No.	1	2	3	4	5	6	7	8	9	No. of broken wires per rope lay										Location									
Rope No.	1	2	3	4	5	6	7	8	9																						
No. of broken wires per rope lay																															
Location																															
<input type="checkbox"/> Fail - due to be replaced due to following reason(s): <input type="checkbox"/> (i) excessive ranging or extensive ranging <input type="checkbox"/> (ii) reduction in diameter <input type="checkbox"/> (iii) broken wires <input type="checkbox"/> (iv) Others, please specify: _____																															
Insert photo 4 (x3 MB):																															
Insert photo 5 (x3 MB):																															
Insert photo 6 (x3 MB):																															
Submit																															

* If photos are provided, the photos should be taken for the portion of suspension ropes adjacent to drive sheave inside the lift machine room as the lift car is at its main floor and highest landing floor. Depending on site situation and the type of lift, the photos can also be taken when the car is at its top.



FAQ of Inspection Record Submission

FAQ of Inspection Record Submission

1. When shall inspection record submit?

A: Within 1 month after completion of :

- New installation (Form LE5)
- Major Alteration (Form LE7)
- Periodic Examination (Form LE11)



FAQ of Inspection Record Submission

2. What photo shall be recorded or submitted?

A: 6 photos including:

- Ropes when car at top floor
- Ropes when car at bottom floor
- Anchorage at lift car
- Anchorage at counterweight
- Traction sheave condition
- Deflection sheave condition



FAQ of Inspection Record Submission

3. What type of lifts shall be submitted the record?

A: Lifts with suspension ropes are required to submit the record



FAQ of Inspection Record Submission

4. Who should submit the record if it is not under maintenance of my company (e.g. hand-over, major alteration)?

A: Pass the inspection record to maintenance RC for submission.



FAQ of Inspection Record Submission – E-platform

Information of the Traction Sheave:-	
Pitch Diameter of Traction Sheave (mm)	<input type="text"/>
Pitch Diameter of Deflection Sheave (mm)	<input type="text"/> Please input 0.0 if Deflection Sheave is not available

Inspection Records of Traction Sheave and Deflection Sheave (Electric Lift Only):

1.	<input type="checkbox"/> Pass - with no visible wear & tear found of all sheaves
2.	<input type="checkbox"/> Pass – Traction Sheave with wear& tear within range Measured vertical distance from the top of the rope to the rim of the Traction Sheave <input type="text"/> mm (for deepest groove)
3.	<input type="checkbox"/> Pass - Deflection Sheave(s) without abnormal noise and uneven wear
4.	<input type="checkbox"/> Fail Traction Sheave - to be <input type="checkbox"/> regrooved <input type="checkbox"/> replaced due to following reason(s):-

Measure outer
diameter of sheaves

FAQ of Inspection Record Submission – E-platform

Information of the Traction Sheave:-	
Pitch Diameter of Traction Sheave (mm)	<input type="text"/>
Pitch Diameter of Deflection Sheave (mm)	<input type="text"/> Please input 0.0 if Deflection Sheave is not available

Inspection Records of Traction Sheave and Deflection Sheave (Electric Lift Only):

1.	<input type="checkbox"/> Pass - with no visible wear & tear found of all sheaves
2.	<input type="checkbox"/> Pass – Traction Sheave with wear& tear within range Measured vertical distance from the top of the rope to the rim of the Traction Sheave <input type="text"/> mm (for deepest groove)
3.	<input type="checkbox"/> Pass - Deflection Sheave(s) without abnormal noise and uneven wear
4.	<input type="checkbox"/> Fail Traction Sheave - to be <input type="checkbox"/> regrooved <input type="checkbox"/> replaced due to following reason(s):-

- For no deflection sheave → put “0.0”
- For more than 1 deflection sheave → record the sheave above the counterweight

FAQ of Inspection Record Submission – E-platform

Enhancement:

Information of the Traction Sheave:-	
Pitch Diameter of Traction Sheave (mm)	<input type="text"/>
Pitch Diameter of Deflection Sheave (mm)	<input type="text"/> Please input o.o if Deflection Sheave is not available

Inspection Records of Traction Sheave and Deflection Sheave (Electric Lift Only):

1.	<input type="checkbox"/> Pass - with no visible wear & tear found of all sheaves
2.	<input type="checkbox"/> Pass – Traction Sheave with wear& tear within range Measured vertical distance from the top of the rope to the rim of the Traction Sheave <input type="text"/> mm (for deepest groove)
3.	<input type="checkbox"/> Pass - Deflection Sheave(s) without abnormal noise and uneven wear
4.	<input type="checkbox"/> Fail Traction Sheave - to be <input type="checkbox"/> regrooved <input type="checkbox"/> replaced due to following reason(s):-

Proposal:

☒ for deflection sheave is not available

FAQ of Inspection Record Submission – E-platform

Inspection Records of Traction Sheave and Deflection Sheave (Electric Lift Only):

1.	<input type="checkbox"/> Pass - with no visible wear & tear found of all sheaves
2.	<input type="checkbox"/> Pass – Traction Sheave with wear& tear within range Measured vertical distance from the top of the rope to the rim of the Traction Sheave <input type="text"/> mm (for deepest groove)
3.	<input type="checkbox"/> Pass- Deflection Sheave(s) without abnormal noise and uneven wear
4.	<input type="checkbox"/> Fail Traction Sheave - to be <input type="checkbox"/> regrooved <input type="checkbox"/> replaced due to following reason(s):- <input type="checkbox"/> (i) bottoming of undercut groove <input type="checkbox"/> (ii) failure of traction test with load <input type="checkbox"/> (iii) reaching discard criteria of lift manufacturer <input type="checkbox"/> (iv) Others, please specify: <input type="text"/>
5.	<input type="checkbox"/> Fail Deflection Sheave- to be <input type="checkbox"/> regrooved <input type="checkbox"/> replaced due to following reason(s):- <input type="checkbox"/> (i) bottoming of undercut groove <input type="checkbox"/> (ii) reaching discard criteria of lift manufacturer <input type="checkbox"/> (iii) Others, please specify: <input type="text"/>
	Insert photo 1 (≤ 3MB): <input type="text"/> <input data-bbox="1800 948 1868 979" type="button" value="瀏覽..."/>
	Insert photo 2 (≤ 3MB): <input type="text"/> <input data-bbox="1800 995 1868 1027" type="button" value="瀏覽..."/>
	Insert photo 3 (≤ 3MB): <input type="text"/> <input data-bbox="1800 1043 1868 1075" type="button" value="瀏覽..."/>

For any PASS case(s),

- ☒ 1. or
- ☒ both 2. & 3.

For any FAIL case,

- ☒ 4. or 5. and insert photos

FAQ of Inspection Record Submission – E-platform

Inspection Records of Suspension Ropes:

1.	<input type="checkbox"/> Pass - with no visible wear & tear found																																				
2.	<input type="checkbox"/> Pass - with acceptable rouging measured length <input type="text"/> (m) when lift is at <input type="text"/> (floor)																																				
3.	<input type="checkbox"/> Pass - with acceptable reduction in diameter																																				
	<table border="1"><thead><tr><th>Rope no.</th><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th></tr></thead><tbody><tr><td>Measured Diameter(mm)</td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td></tr></tbody></table>	Rope no.	1	2	3	4	5	6	7	8	9	10	11	Measured Diameter(mm)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>												
Rope no.	1	2	3	4	5	6	7	8	9	10	11																										
Measured Diameter(mm)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>																										
4.	<input type="checkbox"/> Pass - with acceptable broken wires																																				
	<table border="1"><thead><tr><th>Rope No.</th><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th></tr></thead><tbody><tr><td>No. of broken wires per rope lay</td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td></tr><tr><td>Location</td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td></tr></tbody></table>	Rope No.	1	2	3	4	5	6	7	8	9	10	11	No. of broken wires per rope lay	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Location	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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5.	<div><input type="checkbox"/> Fail -Has to be replaced due to following reason(s):- <input type="checkbox"/> (i) severe rusting or extensive rouging <input type="checkbox"/> (ii) reduction in diameter <input type="checkbox"/> (iii) broken wires <input type="checkbox"/> (iv) Others, please specify: <input type="text"/></div> <div>Insert photo 4 (≤3MB): <input type="text"/> <input type="button" value="瀏覽"/></div> <div>Insert photo 5 (≤3MB): <input type="text"/> <input type="button" value="瀏覽"/></div> <div>Insert photo 6 (≤3MB): <input type="text"/> <input type="button" value="瀏覽"/></div>																																				

Fill in most crucial condition

FAQ of Inspection Record Submission – E-platform

Enhancement:

Proposal 1:

**Accumulated measured length _____ (m),
observed at _____ floor(s)**

Inspection Records of Suspension Ropes:

1.	<input type="checkbox"/> Pass - with no visible wear & tear found																																				
2.	<input type="checkbox"/> Pass - with acceptable rouging measured length _____ (m) when lift is at _____ (floor)																																				
3.	<input type="checkbox"/> Pass - with acceptable reduction in diameter																																				
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No. of broken wires per rope lay																																					
Location																																					

Proposal 2:

**Max. no. of broken
wires per rope lay &
location**

FAQ of Inspection Record Submission – E-platform

Enhancement:

Inspection Records of Suspension Ropes:

1.	<input type="checkbox"/> Pass - with no visible wear & tear found											
2.	<input type="checkbox"/> Pass - with acceptable rouging measured length <input type="text"/> (m) when lift is at <input type="text"/> (floor)											
3.	<input type="checkbox"/> Pass - with acceptable reduction in diameter											
	Rope no.	1	2	3	4	5	6	7	8	9	10	11
	Measured Diameter(mm)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4.	<input type="checkbox"/> Pass - with acceptable broken wires											
	Rope No.	1	2	3	4	5	6	7	8	9	10	11
	No. of broken wires per rope lay	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Location	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>



<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Proposal 3:

Other locations with broken wires observed

FAQ of Inspection Record Submission - Reminder

5. Who will receive a reminder?

A: The RE and RC in accordance to the last Form LE11 submitted with outstanding submission.

(Remark: All hydraulic lifts & vertical lifting platforms without suspension ropes, lifts hoisting with belts, etc., are withdrawn from the database)

FAQ of Inspection Record Submission

Enhancement:

- Add Enquiry Function

Location ID	Lift Code	RC no.	RC name	RLE no.	RLE Name	Form LE11 submission Date	Submission of suspension rope inspection record:
1234567	001	RLC12345	ABC	RLC12345	DEF	23/04/2014	No



~ End ~

Thank You