



Long Line Inspection Form

Company _____
 Address _____
 Phone _____ Fax _____
 Email _____
 Location _____
 Inspection Date _____
 Inspector _____
 Initial _____
 Pre-Use _____
 Post-Use _____
 Periodic - Normal _____
 Periodic - Severe _____
 Periodic - Special Use _____
 Post Repair Inspection _____
 4 Year Inspection _____
 Long Line _____
 Manufacturer _____
 Stock Number _____
 Serial Number _____
 Diameter _____
 Length _____
 Date of Manufacture _____
 Work Load Limit _____
 Date Purchased _____
 Date Put Into Service _____
 Disposition _____
 Pass _____
 Fail _____
 Repair _____
 Repair Date _____
 Repair Entity _____

INSPECTION RESOURCES & EQUIPMENT

- Lift-It Long Line Bulletin HECSHLL-Rev. 6
- ASME B30.9 - Chapter 4, Synthetic Rope Sling Inspection Criteria
- Cordage Institute CI 2001-04 Fiber Rope Inspection and Criteria
- Product Specification Document
- Sample of Rope used in the construction of the Long Line

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Lift-It Manufacturing Company, Inc.
 1603 West 2nd Street Pomona, CA 91766
 PH 909.469-2251 • Fax 909.469-2252 • Email: info@lift-it.com • Website: www.lift-it.com

INSPECTION CHECKLIST

LONG LINE IDENTIFICATION (TAG)	YES	NO	REPAIR	REMOVE
Sling Identification (Tag) and Warnings Legible				
Tag Wrap is Operational				
Tag Must Contain the Following Information:				
Name or Trademark of Manufacturer				
Name or Trademark of Repair Entity if Repairs Were Done				
Stock Number				
Material Used in the Long Line				
Rope Diameter				
Length				
Date of Manufacturer				
Date of Repair				
Serial Number				
Work Load Limit				
Inspection Dates Marked on Tag				
Warning Information Complete and Legible				
Damaging Metal Tags and/or Metal Cable Present				

EYE SPLICES	YES	NO	REPAIR	REMOVE
Properly Installed				
No Slippage				
Thimble is Snug and Cannot Rotate or Fall Out				
Any Damage at the Leg Juncture				
Any Damage at the Apex				
Any Damage on the Outside or Back of the Eye				
Flattening or Surface Wear				
Lockstitch Thread Broken or Damaged				
Whipping Thread Broken or Damaged				
Other Conditions, including Visible Damage, that causes doubt as to continued use.				

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Long Line Rope

Rope or Fibers are Abraded	YES	Internal	External	NO	REPAIR	REPLACE
Fuzzy yarn, fiber or strands						
Frayed yarn, fiber or strands						
Powdered Fiber						

Rope or Fibers are Cut or Gouged	YES	Internal	External	NO	REPAIR	REPLACE
Extensive Fiber Breakage						
Uniform Fiber Breakage						
Broken Strands						
Broken Fibers or Yarn						

Excessive Dirt, Grit or Grime	YES	Internal	External	NO	REPAIR	REPLACE
Foreign Matter Affects Handling						
Foreign Matter Holds Dirt/Grime						

Distortion or Kinks	YES	Internal	External	NO	REPAIR	REPLACE
Hockles						
Rope is Compacted						

UV Degradation	YES	Internal	External	NO	REPAIR	REPLACE
Rope is Discolored						
Splinters or Whiskers						
Brittle Fibers						

Chemical Damage	YES	Internal	External	NO	REPAIR	REPLACE
Rope is Severely Discolored						
Melting or Bonding of Fibers or Strands						
Hardening						
Stickiness						
Exposure to Rust						

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Long Line Rope

Heat Damage	YES	Internal	External	NO	REPAIR	REPLACE
Rope is Discolored						
Glossy or Glazed Areas						
Charred, Melted or Hard Areas						

Inconsistent Diameter	YES	Internal	External	NO	REPAIR	REPLACE
Flat Areas						
Bumps or Lumps						
Soft or Mushy Areas						
Uneven, Rough or Hard Areas						

	YES	Internal	External	NO	REPAIR	REPLACE
Excessive Permanent Elongation from Creep*						
Evidence of Unauthorized Modifications						
Damage from Improper Storage						
Long Line in Service for more than Four (4) Years						
Long Line in Service for more than 2000 Hours						
Other Conditions, including Visible Damage, that Causes doubt as to Continued Use.						

	YES	Internal	External	NO	REPAIR	REPLACE
Suspect Overloading*						
Suspect Dynamic Loading*						
Suspect Chemical Exposure*						

* Consult with Pilot and Review Flight Log/Records.



Rope Displaying Original Diameter



Rope Diameter Reduced from abrasion



Rope Strands Displaying Full Volume



Rope Strands Reduced from abrasion



Cut Strands



Compression Slight Sheen Is Visible



Melting or Glazing Area will be Stiff



Hockles

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Component Hardware

	YES	NO	REPAIR	REMOVE	COMMENTS
Missing Identification (Markings)					
Name or Trademark of Mfg.					
Size*					
Grade*					
Material Type*					
WLL*					
Serial Number*					
* If Required					
Burrs or Rough Surfaces					
Excessive Rust, Corrosion or Pitting					
Distortion					
Bends, Twists, Stretched, Elongated, Cracked or Broken Load Bearing Components					
Under Rated Components (Lacking Adequate Strength)					
Incorrect Size: Component Hardware too Small or too Large					
If Applicable, Thimble Keeper Ring is Undamaged					
If Applicable, Damage to Thimble Cover or Spool					
Improper Shape / Size					
Cracks, Nicks or Damaging Edges					
Localized Wear					
Heat Damage, including Weld Spatter or Arc Strikes					
Incomplete Pin Engagement					
Excessive Thread Damage					
Evidence of Unauthorized Welding					
Evidence of Unauthorized Modifications					
If Applicable: Thread Wear, Damage or Corrosion.					
If Applicable: Missing or Loose Nuts, Bolts, Cotter Pins, Snap Rings, or other Retaining Devices.					

10% Reduction of the Original Dimension	YES	NO	REPAIR	REMOVE	COMMENTS
For Shackles: At Bow, Pin or Any Point					
For Links: At any point					
For Hooks: At Original Section Dimension or Load Pin					
For Swivels:					
Lack of Ability to Freely Rotate when Unloaded					
Hook Inspection and Removal Criteria					
Deformation: Any Visibly Apparent Bend or Twist from the plane of an identical, new or unbent hook					
Throat Opening: Any Distortion Causing an Increase in Throat Opening of 5%, NOT to exceed 1/4 Inch, or as recommended by the Hook Manufacturer.					
Inability to Lock for Self Locking Hooks					
Inoperative Latch					
Damaged Latch that does not close the hook's throat					
Damaged, Missing or Malfunctioning Hook Attachment					
Evidence of Unauthorized Modifications					
Damage from Improper Storage					
Other Conditions, including Visible Damage, that Causes doubt as to Continued Use					

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Supplemental Equipment

For Primary, Secondary and Weighted Line Covers	YES	NO	REPAIR	REMOVE	COMMENTS
Tears, Cuts, Punctures to the Cover Material					
Broken Seams					
The Following Items are Functional and Undamaged					
Zippers					
Hook and Loop (Velcro®)					
Retaining Straps					
Circumferential Tie Wraps					
Buckles					
Other Adjustment or Tightening Devices					
Evidence of Unauthorized Modifications					
Damage from Improper Storage					
Weighted Line Cover Material is Damaged Exposing Weight Bags					
Weights are Secured and Cannot Slip Out					
Other Conditions, including Visible Damage, that Causes Doubt as to Continued Use.					

Electrical or Mechanical Components

	YES	NO	REPAIR	REMOVE	COMMENTS
Exposed, Damaged and/or Stripped Wires or Cables					
Broken Plugs or Fittings					
Evidence of Unauthorized Modifications					
Damage from Improper Storage					
Other Conditions, including Visible Damage, that Causes doubt as to Continued Use.					

Damaged or Rejected Items Shall Not Be Used for Any Purpose.

Name _____ Date of Inspection _____

Signature _____ Date of Next Inspection _____

Company _____

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