

Varion™ Versatility Hoist Inspection



Product Use Requirements

This check list is provided as a tool for use by a qualified person while inspecting VARION™ hoist systems. Although an attempt has been made to include all of the most important points of inspection, no such list can anticipate the particular circumstances of every installation. It is the responsibility of the qualified person to make a reasonable effort to identify hazardous conditions not mentioned herein and formally advise the owner to take corrective action. This check list is primarily for inspecting the hoist machinery and back bone assembly. Cables, battens, and all other parts of the rigging system must also be inspected. (Use Counterweight System Check List).



Important Safety Information

- See Identification Label attached to controls enclosure on each unit for model number, speed and capacity information.



WARNING!

Improper installation or maintenance can cause the load to fall.

- Per ANSI E 1.6-1 Systems, shall be inspected annually.
- Do not substitute or modify components provided with this equipment. Use only parts provided by J.R. Clancy.
- Remove the load from the hoist before disassembling.



Danger!

Electrocution Hazard.

- Remove power source before opening electrical panels.
- Electrical equipment must be serviced by qualified personnel only.



WARNING!

Moving parts can cut or crush.

- Keep body parts away from machinery in motion.
- Remove power source before working on machinery.

Instructions for Use

1. Prior to inspection, obtain and review a copy of the Varion™ Operation and Maintenance Manual. Contact J.R. Clancy if the correct maintenance manual cannot be located.
2. Identify the channel number of the machine to be inspected and write it in one of the boxes at the top of the check list. Duplicate the list as required for larger systems.
3. Inspect each of the items on the check list and verify that the machinery is serviced and adjusted according to the requirements of the maintenance manual. See the manual for questions about specific part names and adjustments. Remove the covers from the machine as required.
4. Replace the covers and repeat the process for each machine at the site.
5. Inspect the theatre. Make sure that capacity labels, safety signs, and dealer contact information are in place.
6. Make contact with the authorized person at the theatre and make sure that all of the manuals and the service log are available for use.
7. Send copies of check lists to J.R. Clancy Service Division.

Varion™ Versatility Hoist Inspection Check List



Date of Inspection: _____

Venue Name		Channel Numbers				
General Hoist Requirements	Hoist is compliant with all limits of use.					
	Machines with moving parts within 106 inches (2.7 m) vertically from the floor and less than 60 inches (1.5 m) horizontally from a safety barrier must be fitted with machine covers. Otherwise covers may be omitted at the discretion of the customer.					
Beam Clamps & Splices	Each clamp is assembled properly and securely clamped to a roof beam.					
	The double nuts on both sides of the clamp are properly torqued.					
	The clamp does not move along the length of the roof beam when secured.					
	There is no gap between any two beam clamps greater than 15 feet.					
	There is at least one clamp located on the 6'8" beam section the hoist assembly is attached to.					
	There are two beam splices at each junction of two sections of back bone.					
	Splices are centered about the junction.					
	There are 20 bolts in each splice assembly.					
Hoist Assembly	All lock nuts are torqued to spec.					
	No visible deformation of hoist static components, all bolts in place.					
	Chain limit switch is in place and secure.					
	Retaining nuts at both ends of shaft in place and secured.					
	Overspeed brake centered in hub with appropriate gap.					
	Cable is terminated properly in the drum.					
Loft Blocks & Reaving	All cables are reeved properly in the overload assembly.					
	Each block located in proper back bone slots.					
	Idler assemblies used in proper places.					
	In multiline blocks, the drop line is in the 3rd groove as marked on the label.					
Electrical	Fleet angles are less than 1.5° everywhere.					
	Mounting hardware torqued to spec.					
	Electrical enclosures have covers in place and are secured. No missing fasteners.					
	Strain reliefs are in place and tight.					
	Power plugs have been twist-locked into receptacles.					
Basic Function & Limit Switches	Control plugs have been latched in place.					
	Unused control plugs are closed and latched.					
	Up and down, end of travel and overtravel limits have been set properly.					
	Hoist runs smoothly through length of travel.					
	At the down limit there are at least 3 dead wraps on the drum.					
Safety Information	Motor brake engages and disengages properly.					
	Limit switch on overload assembly is located properly and undamaged.					
	Load capacity labels are in place on each batten and match live load capacity of the hoist.					
	Motorized rigging safety signs have been installed and dealer contact information has been filled in.					
	Owner has a copy of the Installation Manual, Operation and Maintenance Manual and Service Log.					



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