

RECOMMENDED PRACTICES LEVER HOISTS

FOREWORD. The following document, which was developed by MHI and the Hoist Manufacturers Institute (MHI), one of its Industry Groups, is intended to provide helpful guidance for owners, users, designers, purchasers, specifiers and others who may be involved in material handling and supply chain logistics. It is advisory only and should be regarded as one of many tools that its user may or may not choose to follow, adopt, modify or reject.

WARNING

Improper operation of a hoist can create potentially hazardous situations which, if not avoided, could result in death or serious injury. To avoid such potentially hazardous situation, **the operator**

- Shall **NOT** operate the hoist until you have thoroughly read and understood the manufacturer's Operating and Maintenance Instructions.
- Shall **NOT** operate a damaged, malfunctioning or unusually performing hoist.
- Shall **NOT** Operate a hoist which has been modified without the manufacturer's approval or without certification that it is in conformity with applicable ANSI/ASME B30 standard(s).
- Shall **NOT** operate a hoist unless all persons have be warned of the load and remain clear of the supported load.
- Shall **NOT** use the hoist to lift, support, or transport people.
- Shall **NOT** lift or move loads over people.
- Shall **NOT** lift or pull more than rated load for the hoist.
- Shall **NOT** use hoist if the load chain, rope, or web strap is twisted.
- Shall **NOT** operate a hoist unless it has been securely attached to a suitable support with adequate capacity to support the load imposed by the hoist.
- Shall **NOT** attempt to lengthen or repair the load chain, rope, or web strap.
- Shall **NOT** operate hoist when it is restricted from forming a straight line from hook to hook in the direction of loading.
- Shall **NOT** use load chain, rope, or web strap as a sling or wrap load chain, rope, or web strap around the load.
- Shall **NOT** apply the load to the tip of the hook unless the hook is designed for tip loading.
- Shall **NOT** apply load unless load chain, rope, or web strap is properly seated in the sprocket(s).
- Shall **NOT** apply load unless all load supporting chain, ropes, or web straps are equally loaded.
- Shall **NOT** allow the hoist body or frame to bear against any object or the supporting structure.
- Shall **NOT** operate beyond the travel limits of the load chain, rope, or web strap.
- Shall **NOT** leave load supported by the hoist unattended unless specific precautions have been taken.
- Shall **NOT** allow the chain, wire rope or hook to be used as an electrical or welding ground.
- Shall **NOT** allow the chain, wire rope or hook to be touched by a live welding electrode.
- Shall **NOT** remove or obscure the warnings on the hoist.
- Shall **NOT** operate a hoist unless load slings or other approved attachments are properly sized and seated in the hook saddle.
- Shall take up slack carefully – make sure load is balanced and stable, and load holding action is secure before continuing.
- Shall remove from service a hoist that malfunctions or performs unusually and report such malfunction.
- Shall protect the hoist's load chain, rope, or web strap from weld splatter or other damaging contaminants.
- Shall **NOT** operate a hoist on which the safety placards or decals are missing or illegible.

CAUTION

Improper operation of a hoist can create a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. To avoid such a potentially hazardous situation, **the operator**

- Shall maintain a firm footing or be otherwise secured when operating the hoist.
- Shall check brake function by tensioning the hoist prior to each lift or pulling operation.
- Shall use hook latches, unless use of a latch creates a hazardous condition. Latches are to retain slings, chains, etc. under slack conditions only.
- Shall make sure the hook latches are closed and not supporting any parts of the load.
- Shall make sure the load is free to move and will clear all obstructions.
- Shall avoid swinging the load or hook.
- Shall inspect the hoist regularly, replace damaged or worn parts, and keep appropriate records of maintenance.
- Shall use the hoist manufacturer's recommended parts when repairing the unit.
- Shall lubricate load chain or rope per hoist manufacturer's recommendations.
- Shall **NOT** use the hoist load limiting or warning device to measure load.
- Shall **NOT** operate except with manual power.
- Shall **NOT** push or pull on the lever with a force that will result in overloading the hoist.
- Shall **NOT** allow your attention to be diverted from operating the hoist.
- Shall **NOT** allow the hoist to be subjected to sharp contact with other hoists, structures, or objects through misuse.
- Shall **NOT** adjust or repair the hoist unless qualified to perform such adjustments or repairs.
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