



PURPOSE

To provide instructions for the lubrication of nickel plated (NP) load chain.

SCOPE

- These instructions apply to the use of NP load chain on the ER/NER/SNER Electric-Powered Chain Hoists.
- These instructions apply only to the use of the NP load chain on these hoists.
- These instructions are limited to the lubrication of the NP load chain. For other procedures such as load chain inspection and replacement refer to the Owner's Manual provided with the hoist.

PREFACE

- Chain lubrication is a critical factor in the service life of a load chain. For longer life, the load chain should be lubricated.
- Harrington recommends the use of Harrington lubricating grease (Part No. ER1BS1951) or an equivalent to industrial general lithium grease, NLGI No.0, for lubrication of NP load chain.
- The load chain lubrication should be accomplished after cleaning the load chain with an acid free cleaning solution.
- The chain should be lubricated every 3 months (more frequently for heavier usage or severe conditions) in accordance with these instructions to maintain a coating of grease on the links of the chain.
- Machine or gear oil (grade ISO VG 46 or 68 oil or equivalent) may be used as an alternative lubricant but must be applied more frequently.
- For dusty environments, it is acceptable to substitute a dry lubricant.

GENERAL USE

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INSTRUCTIONS

1. Suspend the chain vertically under no-load conditions.
2. Remove dust, dirt, grime, and moisture from the chain with an acid free cleaning solution.
3. Apply Harrington lubricating grease (Part No. ER1BS1951) or an equivalent to industrial general lithium grease, NLGI No. 0, to the bearing surfaces of the load chain links as indicated by the shaded areas in Figure 1.
4. Also apply the grease to the areas of the load chain (shaded areas in Figure 1) that contact the load sheave. Insure that the grease is applied to the contact areas in the load sheave pockets.

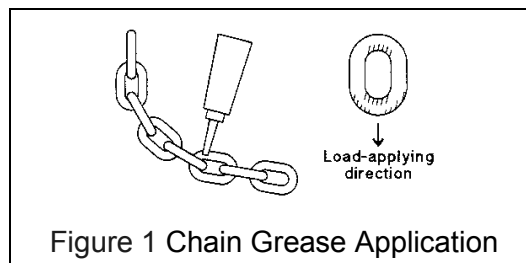


Figure 1 Chain Grease Application

5. After applying the lubricant, operate the hoist in both directions several times over the entire length of the load chain under no-load conditions to spread the lubricant evenly on the surface of the chain's links.

END

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