



September 30, 2026

MAINTENANCE ANNOUNCEMENT
Inspection Criteria for KITO Lever Hoists

In an effort to reduce inspection times, KITO recommends modification of the inspection procedure outlined in the L5 owner's manual as below:

Frequent Inspection

The Frequent Inspection procedures requiring measurement of hooks and load chain can be modified to a visual inspection where good judgment is used to determine if measurement is needed based on observed abnormalities.

Inspection of the oil impregnated bushing

Bushing flame check and soaking (owner's manual): As can be seen from the image in the owner's manual, the bushing is required to be flame tested and soaked for a day. The procedure can be modified as follows:

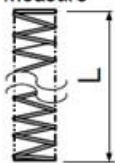
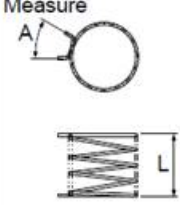
After disassembly of the hoist, soak the bushing in light machine oil while inspecting the other components in the hoist. Wipe the oil off the bushing and reinstall it when you are ready to reassemble the hoist.

Braking System – Bushing Lubrication	Visual Heat with a match flame. 	Should be so lubricated that lubricant oozes off the surface.  WARNING Even for repair or assembly, soak the bushing in turbine oil for a day before reuse.	Soak the bushing in turbine oil for a day.
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Inspection of hoist springs

Spring dimension and twist check (owner's manual): These checks require the technician to measure the spring length (3 springs) plus the "A" angle on two of the springs. The procedure can be modified as follows:

If the selector lever has solid detents and doesn't try to jump out of gear, the brake holds and the hoist freewheels properly, the springs are considered good and there is no need to measure them.

Lifting system - Select-pawl Spring	Measure 	<table><tr><th>Capacity (tonnes)</th><th>L dimension (mm) Minimum</th></tr><tr><td>3/4</td><td rowspan="3">37</td></tr><tr><td>1 1/2</td></tr><tr><td>2 1/2</td></tr><tr><td>3, 6, 9</td><td>42</td></tr></table>	Capacity (tonnes)	L dimension (mm) Minimum	3/4	37	1 1/2	2 1/2	3, 6, 9	42	Replace													
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3/4	37																							
1 1/2																								
2 1/2																								
3, 6, 9	42																							
Lifting system - Brake Spring	Measure 	<table><tr><th rowspan="2">Capacity (tonnes)</th><th rowspan="2">L dimension (mm) Minimum</th><th colspan="2">A angle (°: degree)</th></tr><tr><th>Standard</th><th>Discard</th></tr><tr><td>3/4</td><td rowspan="3">30</td><td rowspan="3">30</td><td rowspan="3">45</td></tr><tr><td>1 1/2</td></tr><tr><td>2 1/2</td></tr><tr><td>3, 6, 9</td><td>30</td><td>25</td><td>40</td></tr></table>	Capacity (tonnes)	L dimension (mm) Minimum	A angle (°: degree)		Standard	Discard	3/4	30	30	45	1 1/2	2 1/2	3, 6, 9	30	25	40	Replace					
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3/4	30	30	45																					
1 1/2																								
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Lifting system - Free Chain Spring	Measure 	<table><tr><th rowspan="2">Capacity (tonnes)</th><th colspan="2">L dimension (mm)</th><th colspan="2">A angle (°: degree)</th></tr><tr><th>Standard</th><th>Discard</th><th>Standard</th><th>Discard</th></tr><tr><td>3/4</td><td rowspan="3">66</td><td rowspan="3">59</td><td rowspan="3">180</td><td rowspan="3">165</td></tr><tr><td>1 1/2</td></tr><tr><td>2 1/2</td></tr><tr><td>3, 6, 9</td><td>71</td><td>64</td><td>180</td><td>165</td></tr></table>	Capacity (tonnes)	L dimension (mm)		A angle (°: degree)		Standard	Discard	Standard	Discard	3/4	66	59	180	165	1 1/2	2 1/2	3, 6, 9	71	64	180	165	Replace.
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Load testing after reassembly

Dynamic load test (owner's manual): This step is very similar to a dynamic load test in that it requires the hoist to be tested at rated capacity with hook movement of 20-30 cm. This is not possible for some manual chain hoist repair shops since they do not have dynamic load test equipment.

Checks under the rated load	Function Lift and lower the rated load from 20 to 30 cm. Check the functions in accordance with "Function - " of 4.3 Frequent Inspection.	See "Function - " of 4.3 Frequent Inspection.	See "Function - " of 4.3 Frequent Inspection.
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The procedure can be modified as follows:

The operational test can be performed as per ASME B30.21-2014 [sec. 21-2.3.1(a) and (b)].

(a) All functions of the hoist shall be checked with the hoist suspended in the unloaded state.

(Some hoists may require a nominal load or pull on the load hook to test the lowering motion.)

(b) After testing in the unloaded state, a load of at least 100 lb (46 kg) times the number of load-supporting parts of chain, rope, or web strap shall be applied to the hoist in order to check proper load control.

*** A static load test shall then be conducted at rated capacity. ***

We appreciate all concerns related to inspection and maintenance of KITO hoists. If you have any questions related to this or any other aspect of KITO hoists, please feel free to contact us.

Regards,

Chris Hess
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Quality & Product Development
Kito Americas, Inc.
A Kito Group Company