

Survival Systems Limited	Technical Bulletin 008 Kone Hoist Inspection - Hoist Motor Coupler				
	Document #	Rev. #	Approved	Approved	Approved
	TB-008	03	Sales	Eng.	Tech. Ser.
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Product(s): All Hoists.

This technical bulletin specifically addresses Kone XL and CXT series hoists supplied by Survival Systems Limited for METS™ training operations. Hoists supplied by Survival Systems are equipped with a secondary or backup brake to ensure the METS™ will not drop in the event of a primary brake or hoist motor coupler failure.

All other hoists, regardless of manufacture, model or capacity rating should receive immediate attention to this critical inspection requirement.

Issue: Survival Systems has been advised by Kone CranePro Services (CPS) that a critical inspection is required on the hoist motor to gearbox drive shaft coupler. Refer to photo below.

This is a routine inspection but due to the **critical** nature of the component Kone has issued a network wide advisory to all CPS centers and to primary supplier/users of the hoists. This Survival Systems Technical Bulletin is an extension of the Kone CranePro Services advisory (enclosed) **to all Survival Systems METS™ Operators.**

With proper maintenance these couplers will not fail.

The following part numbers apply to all Kone XL402N40, XL404N40, CXT521, CXT522 and CXT5022 hoists.

Coupling Part Number - KE060P4G0013

Requires O-ring Kit Part Number - KE220P4G0016



Hoist Motor Coupling (not to scale)

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Warning - Coupler orientation during installation is critical. The coupler must be installed with the turned groove (on the outside of the coupler – reference photo above) on the gearbox side of the assembly.

Solution: Survival Systems recommends contacting your local Kone CranePro Services or other Kone certified hoist service company immediately to complete or verify this hoist motor coupler inspection and replacement.

Kone advises that this inspection is required after 2 years use in FEM group 2m or higher (CMAA class D) and after 4 years use in FEM groups 1Am and 1Bm (CMAA class C and B).

Survival Systems agrees with the Kone recommendations as per Kone letter Aug. 17, 2005.

If you are using a hoist not mentioned in this bulletin please contact your local hoist service provider for immediate attention to this critical maintenance requirement.

Comments: Kone CranePro Services notes in their advisory that this is not a warranty item; it is purely a matter of due diligence to conduct complete and correct maintenance inspections and service.

Warning

Model Specific Information - Critical

If a coupler failure should occur the following will occur, based on the hoist model.

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XL 402N40 (disc brake, electrically operated) - 2nd Brake attached to the drum will hold the load if not electrically held open by the Hoist Operator. The Hoist Operator **MUST** release the hoist control button to permit the secondary brake to engage to hold the load.

XL 402N40 (drum brake, over speed, mechanical) - 2nd Brake on the drum will hold the load.

XL 404N40 (drum brake, over speed, mechanical) - 2nd Brake on the drum will hold the load.

CXT 521 (disc brake, electrically operated) - 2nd Brake on gearbox will hold the load if not electrically held open by the Hoist Operator. The Hoist Operator **MUST** release the hoist control button to permit the secondary brake to engage to hold the load.

CXT 522 (disc brake, electrically operated) - 2nd Brake on gearbox will hold the load if not electrically held open by the Hoist Operator. The Hoist Operator **MUST** release the hoist control button to permit the secondary brake to engage to hold the load.

CXT 5022 (disc brake, electrically operated) - 2nd Brake on gearbox will hold the load if not electrically held open by the Hoist Operator. The Hoist Operator **MUST** release the hoist control button to permit the secondary brake to engage to hold the load.

It is critically important that all Hoist Operators are advised of the secondary brake operational requirement described above in the Model Specific Information.

Survival Systems recommends all METS™ Hoist Operators are certified to local Crane / Hoist Operation and Safety standards. Records of Hoist Operator certification and this advisory must be maintained on file.

Reporting: **For enquiries, comments, or to place an order, please contact Sheri Lyn Hussey at:**

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