



Mandatory Product Update/Safety Bulletin - Spider End Users

SER15-013

SC1000/1500 & SC30/40 Overspeed Safety Device - Safety Bulletin

October 23, 2015

COMPLIANCE CATEGORY	PRIORITY CODE
<input checked="" type="checkbox"/> Safety Failure to comply with this product update could result in personal injury or death. Compliance is mandated within a specific operating time.	<input checked="" type="checkbox"/> 1 Prior to unit startup or prior to continued operation (Immediate Action Required)
<input type="checkbox"/> Compliance Required Identifies the need for action to correct a condition that, if left uncorrected, may result in reduced equipment reliability or efficiency. Compliance may be required within a specific operating time.	<input type="checkbox"/> 2 At first opportunity (Prior to Next Scheduled Maintenance Interval)
<input type="checkbox"/> Optional Identifies changes that may be beneficial to some, but not necessarily all. Accomplishment at customers discretion.	<input type="checkbox"/> 3 Next Scheduled Maintenance Interval
<input type="checkbox"/> Notification Customer communication, no action required.	<input type="checkbox"/> 4 Optional / Notification

PRODUCT MODELS AFFECTED						
<input checked="" type="checkbox"/> SC1000/1500	<input checked="" type="checkbox"/> SC30	<input checked="" type="checkbox"/> SC40	<input type="checkbox"/> Zmac	<input type="checkbox"/> Astro	<input type="checkbox"/> ST-17	<input type="checkbox"/> ST-19
<input type="checkbox"/> ST-26	<input type="checkbox"/> ST-180	<input type="checkbox"/> Platforms	<input type="checkbox"/> BAP	<input type="checkbox"/> TAP	<input type="checkbox"/> Other:	
<input type="checkbox"/> Hoist Accessories		<input type="checkbox"/> Platform Accessories		<input type="checkbox"/> Rigging Accessories		<input type="checkbox"/> Safety Accessories

COMPONENT SYSTEM			
<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Mechanical	<input type="checkbox"/> Safety	<input type="checkbox"/> Other:

SUB COMPONENT
Overspeed Safety Device - Flywheel Assembly

PURPOSE

We have received two reports of Overspeed Safety Device devices failing to trip while performing the routine Daily Test Requirement as referenced in the Spider Operators Manual (p/n 9961) for the SC1000 series traction hoist.

Pictures provided from one unit indicate that the flywheel counterweight pins had fallen out or sheared off (see Fig A). If a pin falls out or shears off, the counterweight may get caught on surrounding structure, see Fig B (ex: test push button or mounting bolts). This results in a condition where the flywheel will not trip the overspeed safety trip trigger. In the unlikely event of a loss of traction of the suspension rope in the traction sheave, or a drive train failure leading to a freewheeling traction sheave, the Overspeed Safety Device Cam will not engage and stop motion of the hoist.

Spring Pin

Retention Pin

Retention Pin Missing

FIG A

Safety Trip Trigger

Test Push Button

Mounting Bolt

FIG B

The pin non-conformance may not be detected while performing the Daily Test Requirements as outlined in Spider Operators Manual (p/n 9961). Since the SC30/40 have the same flywheel, this non-conformance could be present in those hoists as well. Additional steps are required to ensure detection of a missing or a sheared pin.



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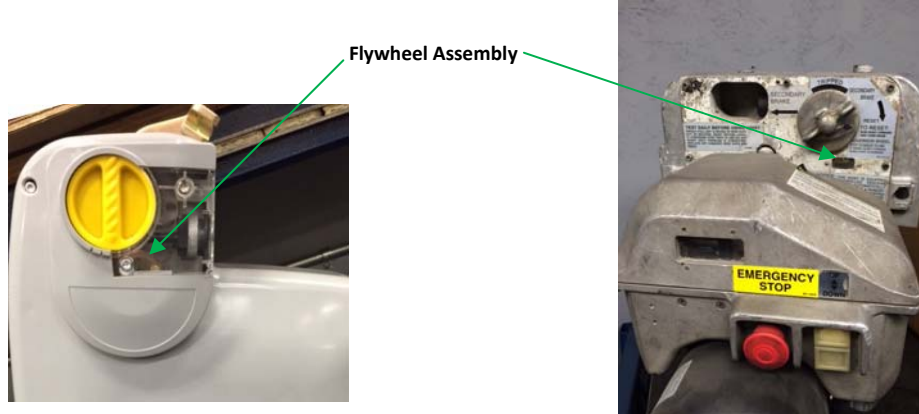
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ACTION REQUIRED

PRIOR TO NEXT USE OF HOIST:

1. As outlined in the Spider Operators Manual (p/n 9961), while powering the hoist "UP" and "Down" approximately 3 feet, look through the window near the Overspeed Brake Test Button to view that the flywheel is rotating. **If the flywheel is not rotating or stops rotating during operation, hoist must be removed from service immediately.**



(SC1000/SC1500 shown on left. SC30/40 shown on right)

2. If Flywheel Assembly passes inspection, the hoist may be used for up to 120 days as long as the Daily Test Requirements are performed as outlined in Spider Operators Manual (p/n 9961)
3. If the Flywheel Assembly does not pass inspection, hoist must be removed from service until update has been applied.

WITHIN 120 DAYS:

1. A Flywheel Assembly update must be applied, please contact 877-774-3370 to schedule service.
2. If you have spare inventory of p/n 8501, 709876-1 or CC-006 they must also have the update applied. Please contact 877-774-3370 to schedule service.