

Mandatory Product Update/Safety Bulletin

PCU15-013

Safety Bulletin - BMU ONLY (Not in Americas)

PC3/Titan Overspeed Safety Device

October 30, 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 type="checkbox"/> PC1	<input type="checkbox"/> PC3	<input checked="" type="checkbox"/> Titan	<input type="checkbox"/> Work Cages	<input checked="" type="checkbox"/> Platforms	<input type="checkbox"/> Astro
<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 Power Climber Operators Manual for the PC3/Titan 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 Power Climber Operators Manual. Additional steps are required to ensure detection of a missing or a sheared pin.



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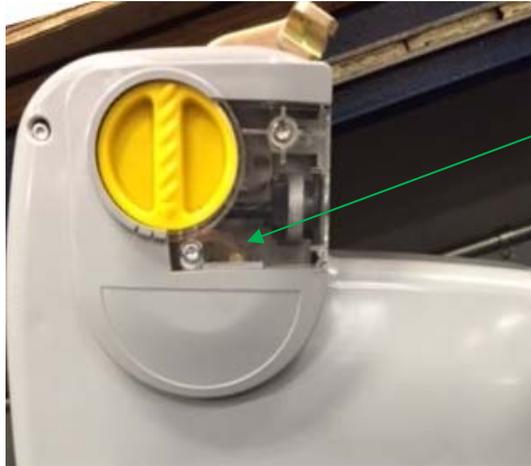
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ACTION REQUIRED

PRIOR TO NEXT USE OF HOIST:

1. As outlined in the Power Climber Operators Manual, 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.**



Flywheel Assembly

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 Power Climber Operators Manual.
3. If the Flywheel Assembly does not pass inspection, hoist must be removed from service until update has been applied.

WITHIN 120 DAYS AN UPDATE MUST BE INSTALLED:

1. A Flywheel Assembly update must be applied, please contact Service@PowerClimber.be or +32 3 451 05 00