

485.

Moser's Rides tower ride/spring ride

This bulletin concerns the threaded connection between the ram and the pulley frame on Moser's Rides' spring and tower rides.

During an annual inspection a UK registered inspection body identified damage to the threads on the ram rod of the double acting cylinder. The condition of the ram, and the pulley frame to which it connects, can be seen in the photographs below.



The connection is a single point failure, the unfastening or failure of which could result in the passenger-carrying bench falling onto the dampers (possibly from a considerable height).

To date, we are aware of two bulletins issued by Moser's Rides regarding this connection. Whilst we have attached both bulletins for reference, it should be noted that they offer contradictory advice and that Moser's Rides has stated that the second bulletin (2-2017) replaces the first (1-2017).

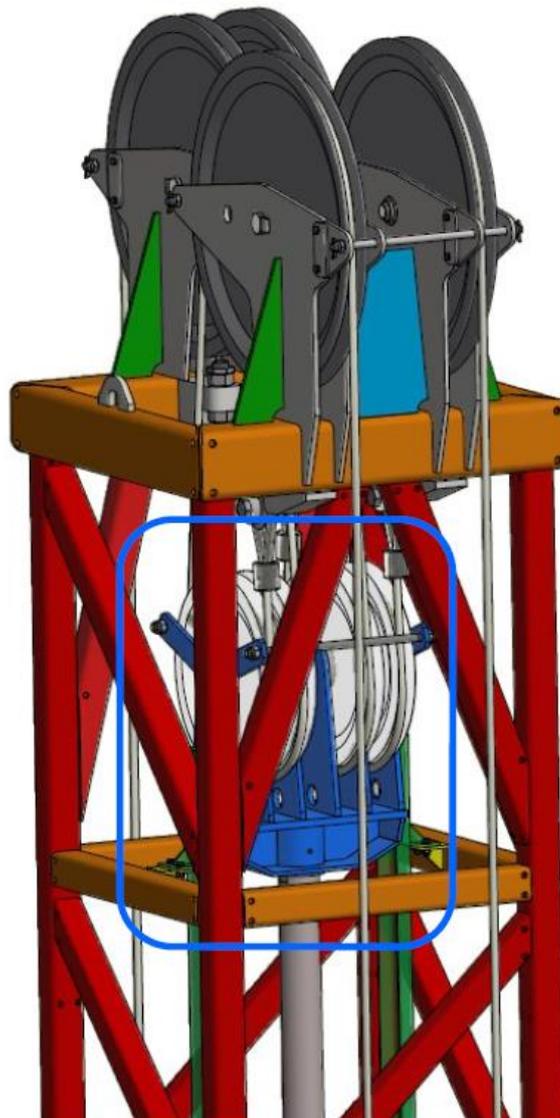
It should also be noted that whilst we are passing both bulletins on for information this is not to say that the Standards Committee endorses either of them. We do, however, wish to ensure that all relevant parties are aware of the problem and we urge all controllers and inspection bodies to ensure that due attention is paid to these areas during daily, weekly and monthly checks as well as during annual inspections.

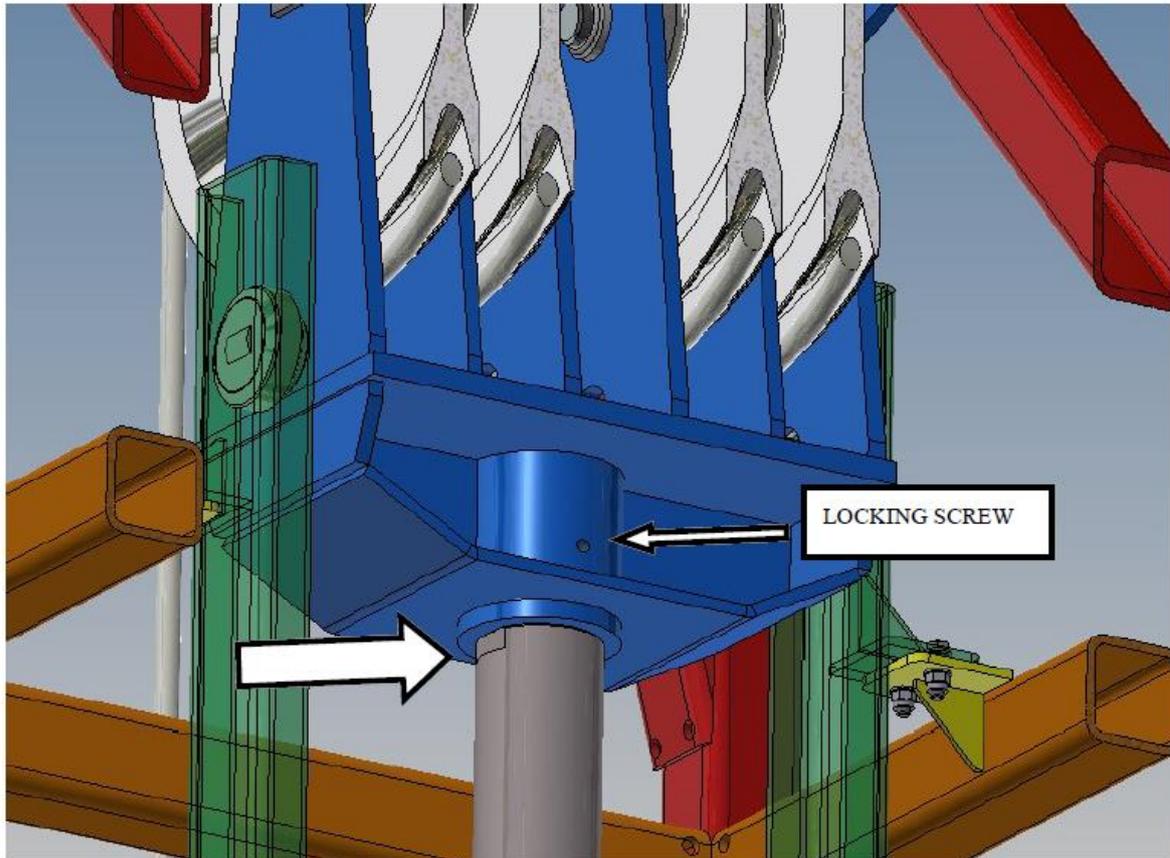
The accompanying information is that of the manufacturer and not NAFLIC. When following the advice from the manufacturer, you are reminded of your duties and responsibilities under HSG175 regarding modifications.

SPRING RIDE SERVICE BULLETIN 1-2017

Cylinder Shaft- Pulleys Support Tightening Control

Applicable to any Spring Ride regardless the height and capacity.





VISUALLY CHECK EVERY 2 WEEKS THE TIGHTENING OF THE CYLINDER SHAFT AND PULLEY BLOCK. THEY MUST BE PROPERLY CONNECTED. MARKING A VISUAL REFERENCE AMONG THE 2 PARTS MIGHT HELP TO DETECT ANY UNSCREWING.

**THE PULLEY BLOCK MUST BE COMPLETELY PLUGGED INTO THE CYLINDER SHAFT.
IF NOT IT MUST BE TIGHTEN BACK INTO POSITION:**

- A) REMOVE THE LOCKING SCREW.
- B) BY A LARGE WRENCH KEY LOCK THE SHAFT BY THE 2 FLAT TABS AND TIGHT IT ANTICLOCKWISE ALL THE WAY TO THE LIMIT
- C) RESTORE THE LOCKING SCREW

VISUALLY CHECK EVERY 2 YEARS (APPLICABLE ONLY FOR UNITS THAT HAVE BEEN OPERATING FOR 5 YEARS UNLESS THE FACTORY ACCUMULATOR SETTINGS HAVE BEEN ALTERED: 50 BAR AND THE REVERSE THRUST OF 2,5 G) THE CYLINDER SHAFT AND PULLEY BLOCK THREADS BY CHECKING THE INTEGRITY OF THE THREADS.

IF BY VISUAL CONTROL ONE OR BOTH OF THE TWO THREADS IS WORN OR DAMAGED, THE CYLINDER SHAFT AND THE PULLEY BLOCK SHALL BE REPLACED WITH NEW UNITS.

THE INDIVIDUAL DAMAGE OF ONLY ONE OF THE TWO ITEMS REQUIRES A FULL REPLACEMENT OF BOTH THE SHAFT AND PULLEY PACK.

TO REMOVE THE PULLEY SUPPORT FROM THE CYLINDER SHAFT SEE THE ATTACHED "PULLEY BLOCK REMOVAL".

TO AVOID ANY STANDINGBY IN THE BUSIEST SEASON WE SUGGEST TO HAVE IN STOCK A COMPLETE NEW CILINDER AND A PULLEY PACK.

TO ENSURE A SAFETY LANDING OF THE PASSEGNERS THE 2 SHOCKS ABSOBERS MUST BE ALWAYS OPERATIVE AND TESTED BY CHECKING THAT THEIR SHAFTS ARE ALWAYS FULLY EXTENDED WHEN THE GONDOLA IS UP.



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SERVICE BULLETIN

Ride Manufacturer: Moser's Rides Srl
Moser Entertainment Srl
Moser Rides Srl

Ride Name: SPRING RIDES

Affected Serial Nos: All

Model No.: All

Reason for release: Cylinder dismantling for checking the thread is no longer required, weekly visual inspection of a marked reference will show if the threads were wearing down or turning loose.

Inspection for Cylinder/Pulley Pack thread connection. **This bulletin replace 1-2017 Bulletin.**

Action to be Taken:

All owners of the above noted amusement rides are required to perform the following inspections:

Paint a vertical stripes between the cylinder and the pulley pack as shown in the following picture:

- Weekly Visual Inspection.
The visual inspection defined in this bulletin can be performed by a competent owner/operator.

At the first sign of baking off or dropping the Cylinder and Pulley connection, the Cylinder and Pulley Block shall be replaced with new units.

In order to avoid long standing by due to long term availability of the items, we suggest to keep in stock a Spare Cylinder and a spare Pulley block.

EXAMPLE OF A MARKED REFERENCE

