

SERVICE INSTRUCTION MS 7-2009E **Rev. A**

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Utfärdare Issued by Aussteller Bertil Nyström	Datum Date Datum 2009-09-15 Rev. 2011-03-07	Produkt Product Produkt All rack and pinion driven lifts
Från maskin nr. From machine No. - Von Maschine Nr.	Till To - Zu	Berör/Concerns/Betrifft Rack and pinion

This instruction replaces MS 7-2009E dated 2009-09-15

It is important to check wear of pinion and grease the rack to ensure optimal life time and achieve a soft and silent travel.

It is obtained by the following steps:

1/

Grease the rack, but avoid over-greasing in extremely dusty environments. Follow the recommendations in the Service and Maintenance Manual.

2/

Apply grease interval in accordance with the travel intermittence. Consider anyhow that the rack on a seldom used lift in a corrosive environment needs grease on the the rack to avoid corrosion.

3/

Use the Alimak Hek prescribed grease types.

4/

Ensure that the guide rollers are adjusted correctly, so that the pinion engages the rack in the centre and not is leaning.

5/

Change pinion and also guide rollers when the wearing limit is reached according the Service Manual. If further use of a worn out pinion is done, the rack will also be worn.

If severe double wearing pattern or extremely uneven wearing has occurred on the pinion or the rack, shall the component be changed.

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Form approved by Patrik Sundqvist, After Sales Manager. Date: 2009-02-02

6/

If the rack has been over-greased and abrasive dirt has been collected in the cogs, the cog flanks shall be brushed clean and a new thin grease film applied.

7/

Use sliding calliper or gauge to check wearing of pinion and rack.

The gauge gives only an indication grade of wearing. When checking the pinion, it is important to check the wearing in the middle of the pinion. The cog profile of the pinion can have no wearing on the sides due to that the pinion is 4 mm wider than the rack.

See applicable Instruction Manual for max. wearing limits.

Photo of worn pinion

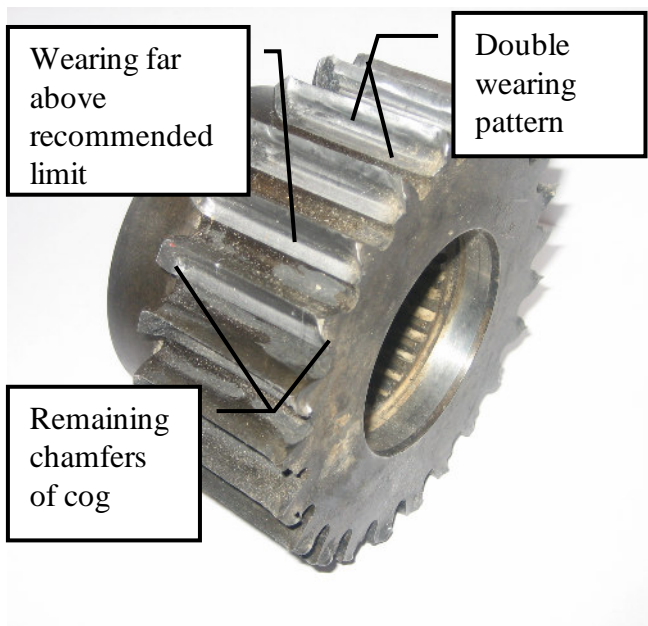
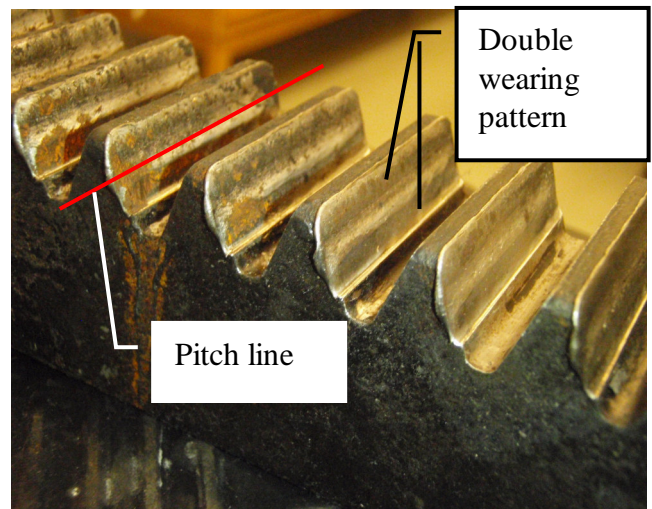


Photo of worn rack



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