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1 General Information

This Checklist does not replace the information given in the Operating Instructions for your system! It is a supplement to the Mounting Instructions.

1.1 Maintenance Intervals

The following maintenance intervals are an extraction of the information from the mounting instructions MAL0300-0003-EN, MAL0300-0004-EN and MAL0300-0006-EN only concerning rollers with a Polyurethan bandage.

Task	Interval
Visual inspection on deactivated system - for proper condition - for proper function - for proper mobility - for firm seating - for deformations - for wear - for damages - for dirt - for corrosion	After 300 hours or every month
Function Test - for easy and unobstructed running of the main rollers, horizontal guide rollers and anti-lift rollers on the track beam.	After 300 hours or every month

1.2 Wear Limits

The above-mentioned mounting instructions contain the following information concerning the wear limits of rollers:

The roller has to be replaced if

- the diameter of the roller has been reduced from the nominal diameter by 2 mm,
- sharp impressions can be seen,
- cracks, broken-off pieces, or embrittlements have formed on PU rollers, or if initial signs that the outer section is disengaging from the core appear,
- increased bearing play occurs due to worn ball bearings,
- significant lubrication leakage is seen,
- the rollers do not run smoothly

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2 Examples for Wear Limits

The following examples of wear and damage are intended to clarify some of the above mentioned wear limits. Nevertheless it is not possible to foresee all signs of wear. If you are in doubt whether a roller can still be used for a safe operation, do not hesitate to contact Conductix-Wampfler.

2.1 Deformation of Roller Body



A roller that is deformed in such a way is unable to maintain a safe operation of the festoon.

- Replace immediately
- Check for root cause

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2.2 Fine Fissures on the Surface



Due to environmental influence there can occur fine fissures on the surface of the Polyurethane bandage. Usually these fissures are not deep enough to influence the integrity of the part. As long as no fragments are falling off the roller can still be used if its condition will be surveyed under normal inspection intervals (see 1.1).

→ If fragments detach from the roller it has to be replaced

2.3 Nilos-Ring deformed



If the Nilos-Ring is deformed as shown in the picture, the lifetime of the bearing of the roller will be significantly decreased depending on the environmental conditions.

→ Replace the roller

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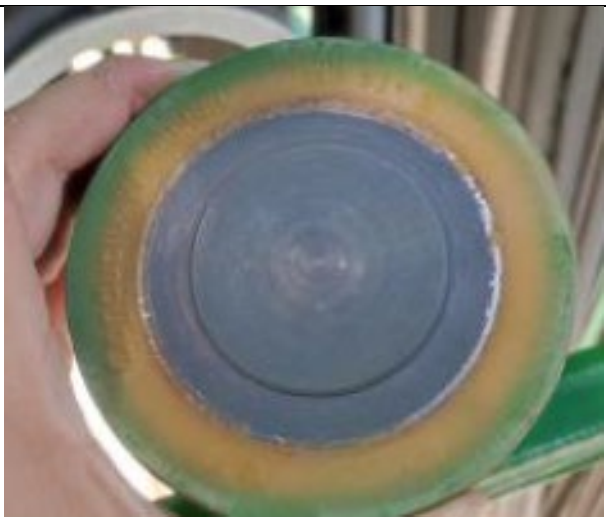
2.4 Flange-guided Horizontal Guiding Rollers



If PU rollers are used as 2.4 flange-guided horizontal guiding rollers they may wear significantly faster than other rollers in the system. They will also not wear over the whole width as shown in the picture.

→ If the worn diameter is more than 2 mm smaller than the nominal diameter, the roller must be replaced to prevent a falling hazard.

2.5 Paint Traces on Rollers



Depending on the type of dye used for painting the track beam it can stain the rollers. This is usually just an optical issue.

→ No need to exchange

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