



Continuous analysis of gearboxes Service & Solutions

Engineering Value

Krauss Maffei
Berstorff

Continuous analysis of gearboxes

Service & Solutions

All KraussMaffei Berstorff machines and systems are characterized by reliability and proven value. Their outstanding product quality over a long life cycle sets them apart from the rest. Nevertheless, they too suffer from natural wear; if unnoticed, this could result in the production system breaking down and incurring unnecessary additional costs. KraussMaffei Berstorff is here to support you with preventative measures and services to combat wear.

Analyzing the condition of your gearbox

KraussMaffei Berstorff gearboxes are designed and built to have a long service life. This service life, however, can be shortened by a number of negative factors. The consequence is that machines break down and costs are then incurred not only from production downtimes but also from repairs. The KraussMaffei Berstorff mechanical-vibration measurement and oil analysis services enable the beginnings of wear to be detected a long time before a machine breaks down completely.

Gearbox inspection: Basic 2 package

Our innovative mechanical-vibration measuring device can detect even the smallest of deviations. Our many years of experience in measuring wear and our extensive database mean that we can identify the exact position of any damage that may be developing. Timely gearbox reconditioning means that you can avoid paying high replacement-part costs, as the geared parts fitted during the procedure have a considerably longer service life than the bearings.

An additional oil sample is used to analyze the condition of the oil, how dirty it is and how much metallic debris it

contains. The oil analysis gives you an overview of the current oil quality; regular maintenance intervals can then be adjusted accordingly. The dirt measured can be used to identify the causes of wear, and the efficiency of the machine remains consistently high.

Your advantages:

- Early detection of developing wear on bearings
- Accurate calculation of your maintenance budget
- Prevention of unplanned machine breakdowns caused by damage in the gearbox
- Longer maintenance intervals thanks to oil-condition analysis
- Short downtimes thanks to the KraussMaffei Berstorff gearbox replacement scheme



1. Startup



2. Utilization



3. Optimization



4. Phase-out

With Service & Solutions, we give you optimal support throughout your machine's entire life cycle – from startup and utilization, through to optimization and phase-out.

By providing solution-driven services and products, we help you achieve optimal production efficiency and thereby secure your investment.

You can find additional information here: www.kraussmaffeiberstorff.com/service