

PERFORMANCE LUBRICATION INCREASES SLEW RING LONGEVITY BY 65%

A cost-saving success story
with a major iron ore producer
in the Northern Cape.



LPR GROUP
LOWE • PEO • RE-EME • ROCK & EARTH

 **Castrol**
Authorised Distributor of Castrol

THE CHALLENGE

EXTEND THE LIFE OF THE SLEW RINGS OVER THE OEM BASELINE.

SLEW RINGS on Komatsu PC4000 and PC5500 are typically replaced every **15,000 hours**, following OEM guidelines based on global failure risk data. But time-based replacements can be detrimental - the team followed LPR's advice and adopted a smart, **condition-based approach**.

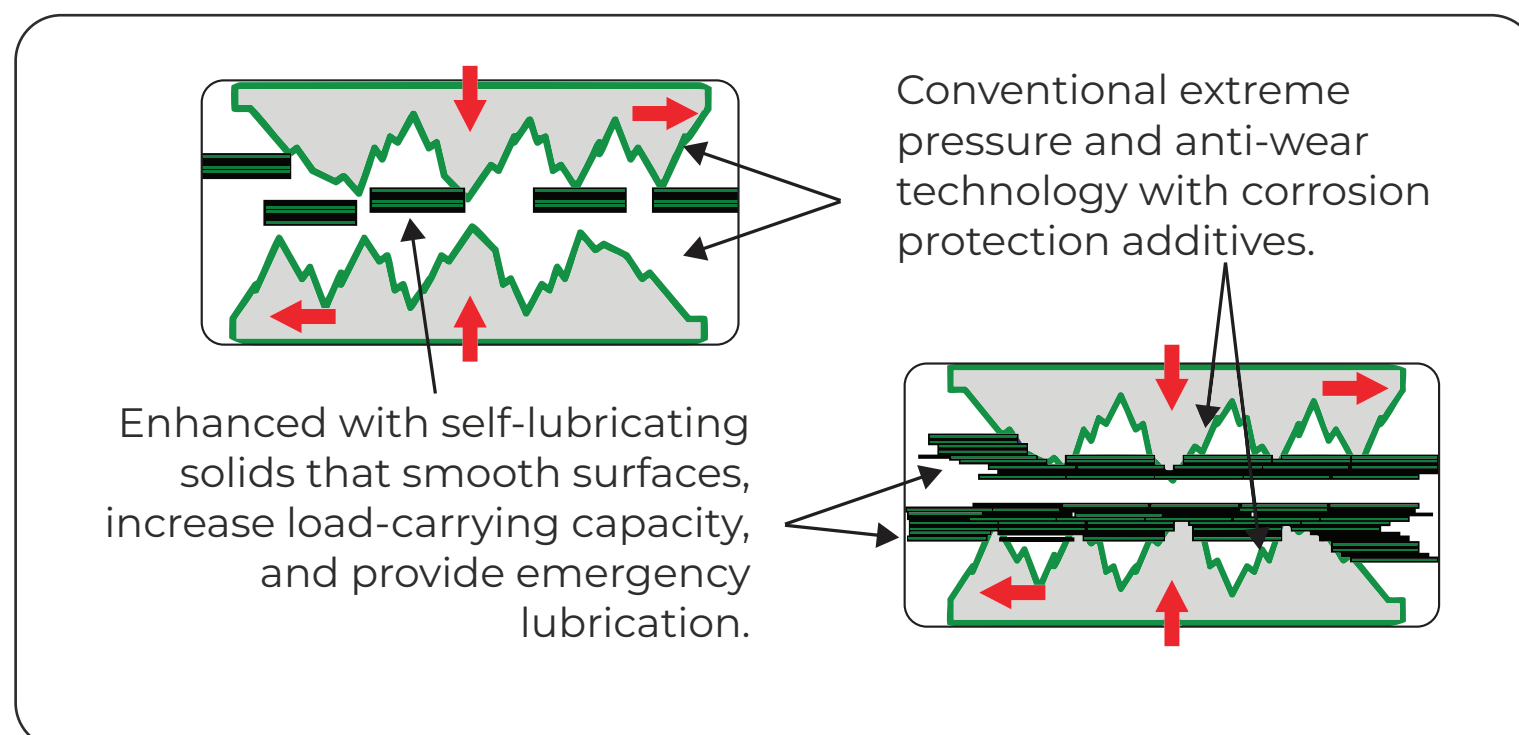
- R5 million replacement cost per unit.
- 2 weeks downtime.
- Serious HSE risk.
- Major productivity losses.

**Solutions don't have to be complex.
They just have to be clever.**

THE SOLUTION

THE WINNING FORMULA: CASTROL MOLUB-ALLOY™ OG 936 SF NG

This high-performance lubricant is purpose-built for harsh mining conditions. The perfect upgrade to protect critical slew ring components, extend service life, and reduce costly downtime.



- ✓ Solid additives like MoS_2
- ✓ Forms durable, non-dust attracting film
- ✓ Reduces friction and wear

THE RESULTS

A BIG WIN FOR THE TEAM

A BIGGER WIN FOR THE BOTTOM LINE.

During the 8 year partnership, the slew ring replacements reduced from 12 to 3, saving over R10 million, and cutting downtime by 75% - thanks to **Castrol Molub-Alloy™ OG 936 SF NG.**

**R10.4 million
in Cost
Savings over
the period.**



**Life of Slew
rings
extended to
25 000 hours**

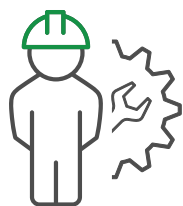


**Downtime
cut from 24
weeks to 6
weeks.**

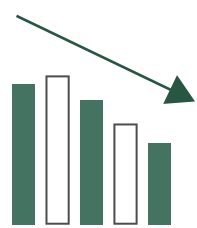
IT'S NOT JUST GREASE - IT'S ENGINEERING INTELLIGENCE.



Slew ring life increased to
25,000 HOURS
from the 15,000 baseline expectation.



12 Replacements were expected, but
3 Slew Ring Replacements
were required across multiple machines.



Reduction in component spend and lost production
contributed to savings over
R10, 400, 000.



With improved equipment availability, replacement
downtime was dropped from
24 weeks to 6 weeks.



Fewer major component replacements meant a
75% reduction in HSE risk
due to lower exposure of high-risk tasks.

“Not all lubricants are created equal. No one has our tech, our data, or our results”

Castrol and LPR Group deliver, where others only imitate.



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LET'S TALK PERFORMANCE. REACH OUT TODAY.

That's the LPR Group Difference.

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