

# Auto Mill Drives – Energy Savings

R260K/Month saved via smart lubrication  
**Castrol Optigear Synthetic PD**

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 **Castrol**  
Authorised Distributor of Castrol

## Friction Down. Savings Up. Power Bills? Slashed.

**Two 4MG Auto Mills were consuming significant electrical energy through their gear drives.**

### Key challenges:

- 🗑 High electrical demand from gear drives
- 🗑 Energy efficiency opportunity identified
- 🗑 Existing lubricant not optimized for friction reduction
- 🗑 Need for measurable, verified savings

**Identify. Agree. Deliver.**

# THE SOLUTION

## Smart Lubrication Strategy

The lubricant in all four gear drives was replaced with:

### Castrol Optigear Synthetic PD

- PAO-based high-performance lubricant
- Advanced PD additive technology
- High VI for improved stability
- Designed to reduce friction & improve gear protection

**Identify. Agree. Deliver.**



## Measured. Verified. Proven.

**Electrical demand reduced substantially** in both mills

**R260,000** saved per month  
(verified by M&V team)

**Wear particle analysis**  
confirmed improved protection

**Lower friction** = higher  
efficiency

**This wasn't theoretical - it was measured  
performance improvement.**

## Lubrication Upgrade to Performance Transformation

**Reduced** operational energy costs

Annual saving of over **R3 million**

**Improved** gear protection and lifespan

Lower friction = sustainable **efficiency gains**

Demonstrated **measurable** ROI through collaboration

**When friction drops, efficiency rises.**

**When efficiency rises, savings follow.**

**Smart lubrication** delivered **tangible financial impact.**

**WANT RESULTS LIKE THESE?**

Contact us to explore performance solutions.

**That's the LPR Group  
Difference.**

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