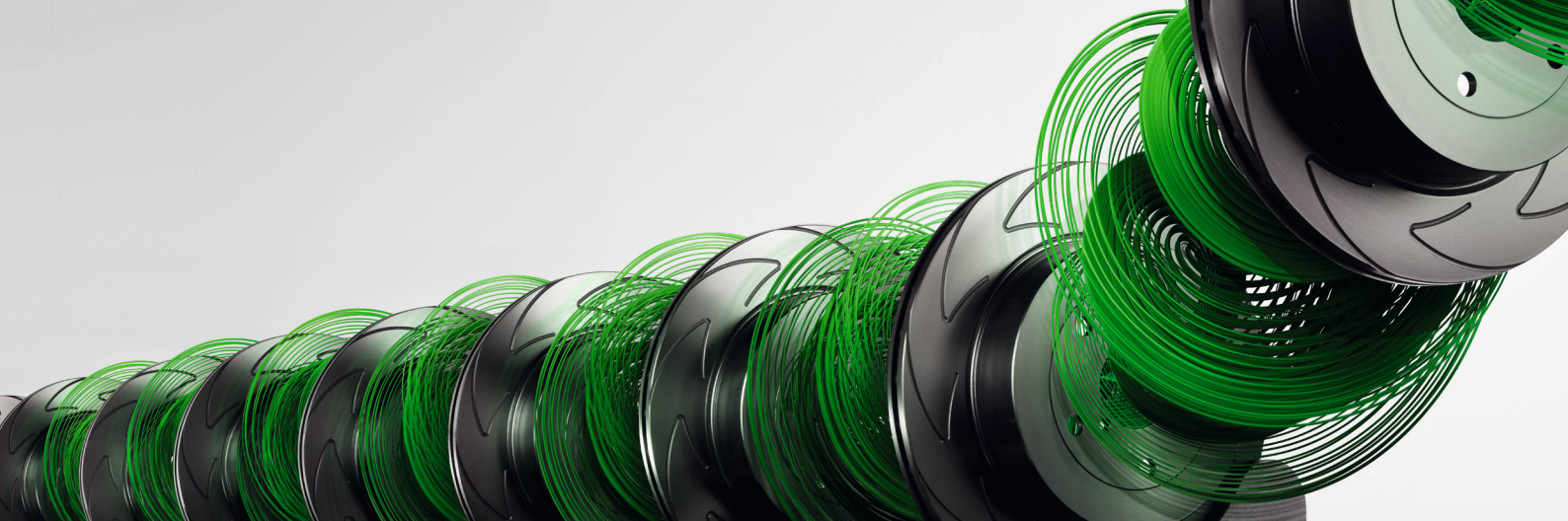




SUCCESSFUL APPLICATION OF CASTROL HYSOL SL 35 XBB AT A MAJOR CHINESE BEARING COMPANY



**IMPROVED
PERFORMANCE**



**IMPROVED
WORKSHOP
ENVIRONMENT**



**STABLE
PRODUCT
QUALITY**

THE SITUATION

A Chinese bearing company, engaged in the manufacture of aerospace, railway, high-precision, wind-turbine and other high-end specialised bearings, used conventional water-based metalworking fluids for ring grinding (including centreless) in a 150kl central system. The issues being experienced with the competitor's product were:

- Frequent additive additions due to component corrosion issues and poor bio-stability of the emulsion; six-month fluid life
- Excessive foaming, resulting in low operational efficiency and frequent machining downtime
- High concentrate consumption due to excessive coolant drag-out
- HSSE issues: skin irritation, bad smell in the plant and excessive exposure to dangerous chemicals during numerous additive additions
- Unstable operating conditions in the centreless grinding application

THE BENEFITS

Castrol was challenged to propose and trial an alternative product solution (Castrol Hysol SL 35 XBB) to address the numerous issues being experienced and deliver savings to the customer without any technical or performance compromises.

Castrol Hysol SL 35 XBB demonstrated the following benefits:

- Better antibacterial performance; no need for biocides; elimination of the bad smell in the plant
- Operators' skin-irritation issues eliminated
- Stable product quality
- Significant reduction in the amount of concentrate top-up required
- Resolution of the issues with the unstable centreless grinding operation

THE SOLUTION

After a detailed technical evaluation of the processes and current issues, Castrol Hysol SL 35 XBB was selected as the optimum solution (against leading competitors' products). Key performance indicators (KPIs) were identified with the customer; results were monitored and evaluated with the customer during and after the product trial. The product's performance exceeded all the required KPIs during the trial without any additive additions (even during a very hot summer).

"Right product. Right solution. Regained lost business and gained new business."

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IT'S MORE THAN JUST OIL. IT'S LIQUID ENGINEERING.

 **HYSOL XBB**