

Ceran

Beyond premium greases

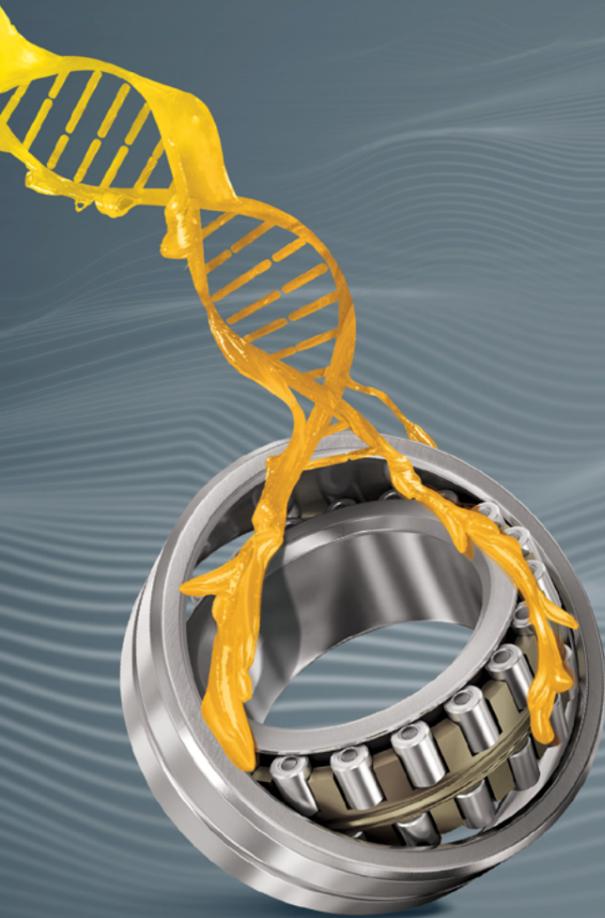
At the cutting edge of sustainable technology



TotalEnergies

Summary

- At the cutting edge of sustainable technology
- Technical data and specifications
- Our logistic offer
- Five good reasons for choosing TotalEnergies Lubrificants



Ceran greases

TotalEnergies Lubrificants provides the leading and future calcium sulfonate complex technologies developed in close cooperation with major equipment manufacturers.



TotalEnergies



A Local partner, a worldwide presence

TotalEnergies Lubrificants: your preferred supplier providing a full range of high quality greases.

Our commitment is to **consistently support our customers** with the development of innovative and efficient solutions.

At the cutting edge of sustainable technology



UNIQUE

The patented production process ensures the transformation into crystalline calcite as core of the inverse micelle in nanoparticle size which is key for the unique characteristics of Ceran greases.



COST SAVINGS

Worldwide references prove that the patented Ceran technology significantly reduces the Total Cost of Ownership (TCO). We provide customized TCO calculation upon request.



STRONG

All in one product: Ceran is your best choice in severe lubricating conditions where water is omnipresent, in heavy load and high temperature environments such as in steel, paper and mining industries.



EFFICIENT

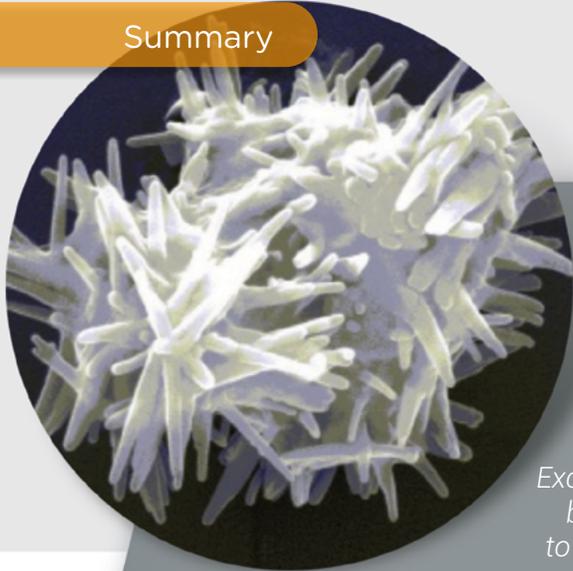
High performance leads to minimum lubricant consumption, reduced maintenance and extended bearing life. Reduced downtime leads to increased productivity.



DURABLE & RELIABLE

The carbon footprint of our Ceran greases are available thanks to our dedicated calculation tool, verified by Veritas. Ceran technology significantly reduces the global CO₂ footprint of your activities. Ask for your customized CO₂ savings.

Summary

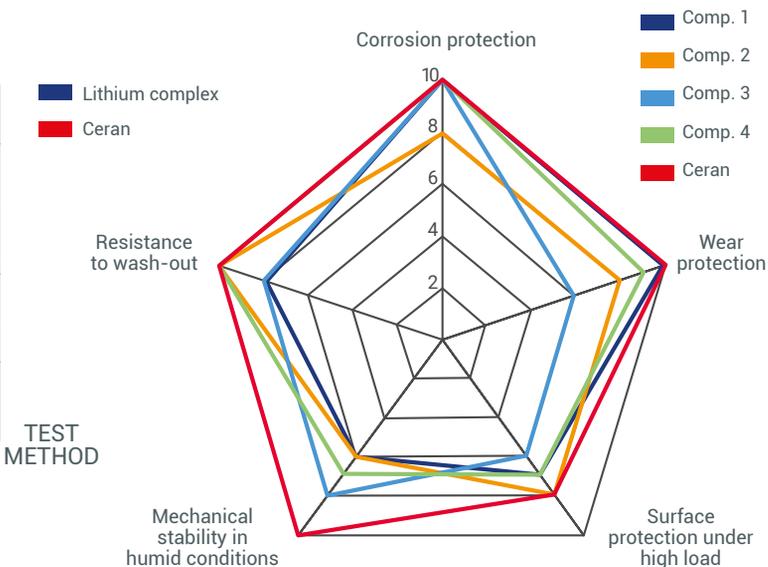
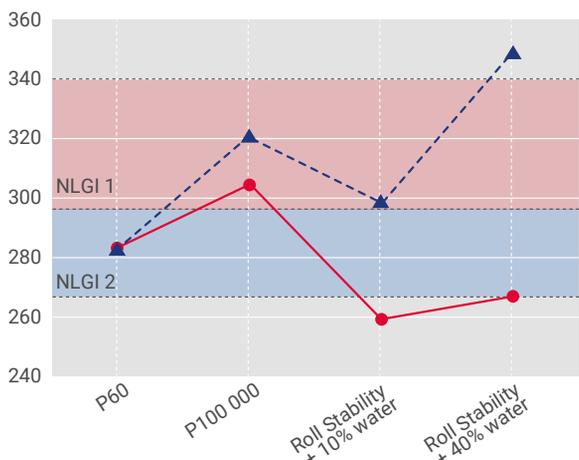


Calcite crystal structure
 "fish-scale"/wafer like pattern in nanometer size parallel to the lubricated metal surface

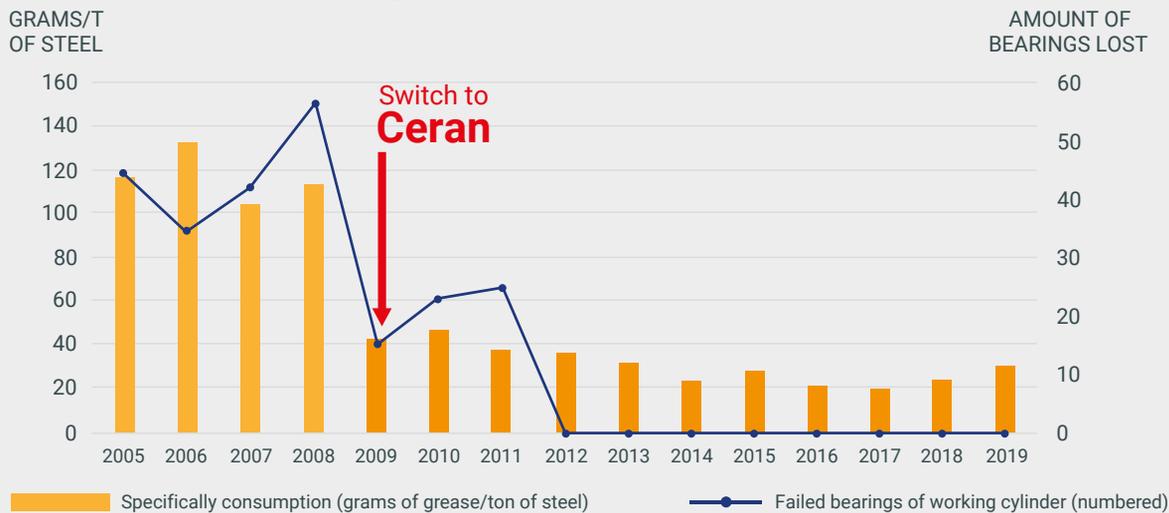


Technical performance

PENETRATION (1/10 MM) **Mechanical stability**



Hot rolling mill cost reduction with Ceran



Ceran at the cutting edge of sustainable technology

Our logistic offer

Our Ceran range is available in several sizes ranging from cartridges to Fluid-Bags and bulk truck:



**PAILS
KEGS
DRUMS**
(With or without liner)



**CARTRIDGES
LUB SHUTTLE**



FLUID-BAGS (900 KG)

Sealed to avoid contamination during filling, handling & unloading. Using a clean grease leads to lower downtime & lower consumption.



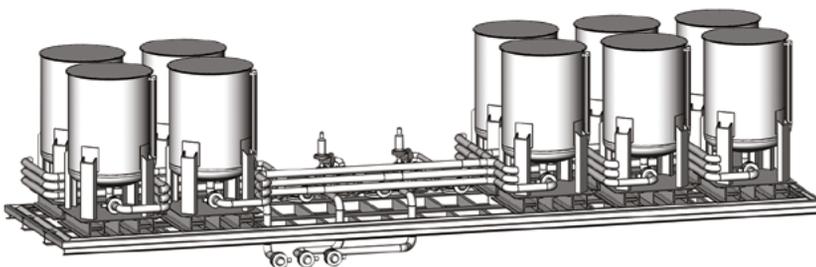
Courtesy of Fluid-Bag



TAU XTRACTOR

New system for discharging greases from Fluid-Bags with benefit optimization in heavy duty work environments such as mining & steel plants.

SKID-TRUCK



Innovative bulk transport solution developed in-house by our engineers for direct grease bulk supply at your production sites. Each container is equipped with a dedicated anti-contamination system.

For this specific solution, please contact our local TotalEnergies affiliate for availability.



A major player

With our production, supply chain and commercial presence in more than 160 countries, we deliver a full range of lubricants.

Support and partnership

Thanks to local technical presence, we provide a high level of service to optimize your Total Cost of Ownership.

References & OEMs

TotalEnergies Lubrificants cooperates with equipment manufacturers to create high-technology products for optimal performance and production of your machinery.

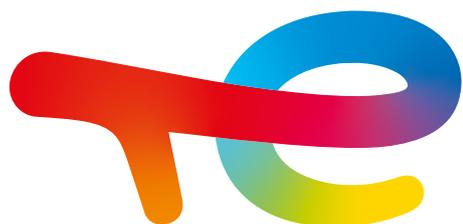


Innovation & Research

TotalEnergies Lubrificants invests in biotechnologies to find the most suitable components to reach energy efficiency through formulations designed in our Research Centers.

Quality and environment

TotalEnergies Lubrificants ISO 9001 and 14001 certifications are the guarantee of a long term commitment to quality and environment. From the initial design stage, our R&D teams seek to develop products that minimize toxicity risks and environmental impact.



TotalEnergies



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Safety Data Sheets are available at ms-sds.totalenergies.com



TotalEnergies Industry Solutions

