

AN EFFICIENT AND SIMPLE WAY TO CLEAN OPEN GEAR WHILE OPERATING

Lubriclean EP

- ✓ Less than four hours operation. No production shut down
- ✓ Savings due to:
 - One hour cleaning operation
 - Unstopped production
- ✓ Open gear protection thanks to the presence of EP additives
 - The big players trust this technology

KEY SERVICES TO IMPROVE YOUR EQUIPMENT'S RELIABILITY

LubSkills

open gear inspection

- ✓ Complete inspection report: temperatures, vibrations, lubrication system and gear set working flanks checking
- ✓ Maintenance advice & corrective actions proposition
- ✓ Lubrication & mechanical advice
- ✓ Tailor made lubrication solution

LubAnac: in service oil monitoring

- ✓ Drain intervals optimization
- ✓ Equipment lifetime extension
- ✓ Total Cost of Ownership (TCO) reduction
- ✓ Dedicated ranges for each industrial application

LubInsight: optimized maintenance software for your lubricants (CMMS)* maintenance planner

- ✓ Organization of preventive, condition-based and corrective maintenance
- ✓ Maintenance cost analysis
- ✓ Monitoring of lubricants and spare parts stock

ROTARY KILNS: INTERNAL FACE OF FLOATING KILN'S TYRES LUBRICANTS

Grafolog 1278 S

- ✓ Semi-colloidal liquid
- ✓ Water based product with graphite content
- ✓ Fire resistant & no risk for human health

Grakote Fluid

- ✓ Oil based liquid paste
- ✓ Special metallic powder additives

A major player

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

References & OEMs

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

5

good reasons for choosing TotalEnergies Lubrificants

Support and partnership

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

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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TotalEnergies Industry Solutions



TotalEnergies

Cement industry
Reliable & cost saving lubricants
Creating value all along your process

COMPLETE RANGE FOR OPEN GEAR DRIVES

3 technologies for optimum lubrication covering all lubrication methods



Gearlog*:
Thick compound with white solid additives
New technology of high viscosity white compounds, excellent protection during sever conditions and vision of the active flanks



Gear Fluid*:
Thick transparent fluids
Outstanding technology of clear products, excellent protection and vision of the active flanks



Grafolog*:
Black Aluminium complex greases with solid additives
Traditional grease technology, very good protection and vision of the contact between the active flanks

Priming



BRUSH COATING

Gearlog P

Grafolog H1

Running in



SPRAY LUBRICATION



BATH LUBRICATION



CIRCULATION LUBRICATION

Gearlog R

Gear Fluid R

Grafolog H 00 R

Grafolog R Fluid

Service lubricant



SPRAY LUBRICATION



BATH LUBRICATION



CIRCULATION LUBRICATION

Gearlog 200

Gearlog 500

Gearlog 500/1000 D

Gearlog 1000

Gear Fluid 180

Gear Fluid 550

Gear Fluid 550/1000 D

Gear Fluid 1000

Grafolog H

Grafolog M/MT Fluid

SOLUTIONS FOR QUARRY & CRUSHERS

TotalEnergies range of lubricants are specially designed and formulated considering the tough and demanding application of quarry and material handling.

All our products are:

- ✓ Approved by the most demanding OEMs
- ✓ Following the latest emission regulations
- ✓ Suitable for the latest exhaust gas after-treatment systems
- ✓ Offering fuel economy with FE range

Star Concept: an innovative solution targeting product rationalization and simplification leading to savings.

- ✓ Reduce the number of lubricants from 5 to 2
- ✓ Approved by the most demanding OEMs



ECOFRIENDLY SOLUTIONS

New generation of high-performance biodegradable range of lubricants suitable to satisfy the demanding condition of cement production line.

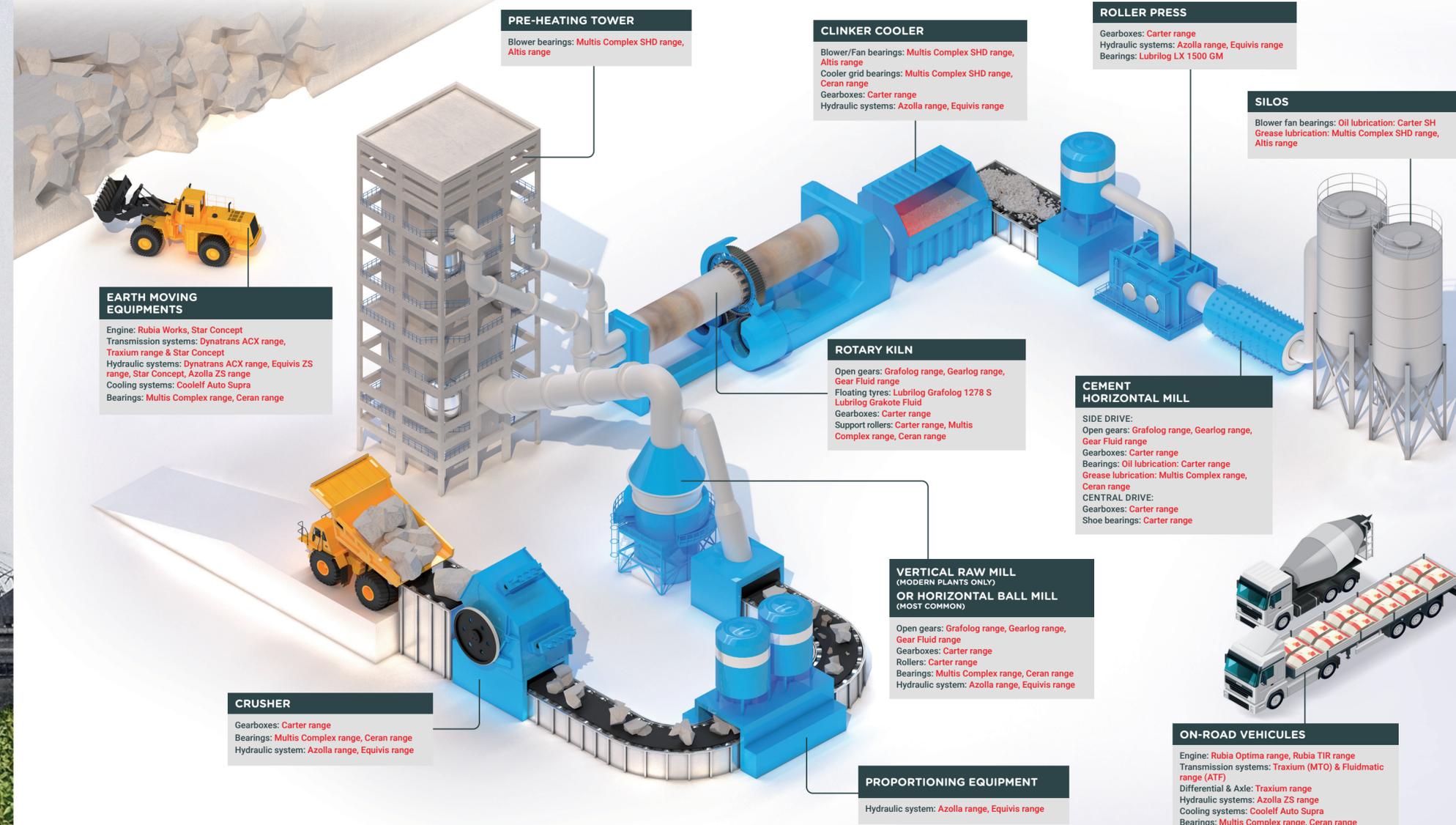


Hydraulic oils: Biohydran range
Gear oils: Carter BIO Range
Greases: Biomultis EP 2

- ✓ Approved by important OEMs
- ✓ Excellent biodegradability
- ✓ Excellent protection and lubrication of the equipment
- ✓ Low eco toxicity
- ✓ Reduce the carbon footprint

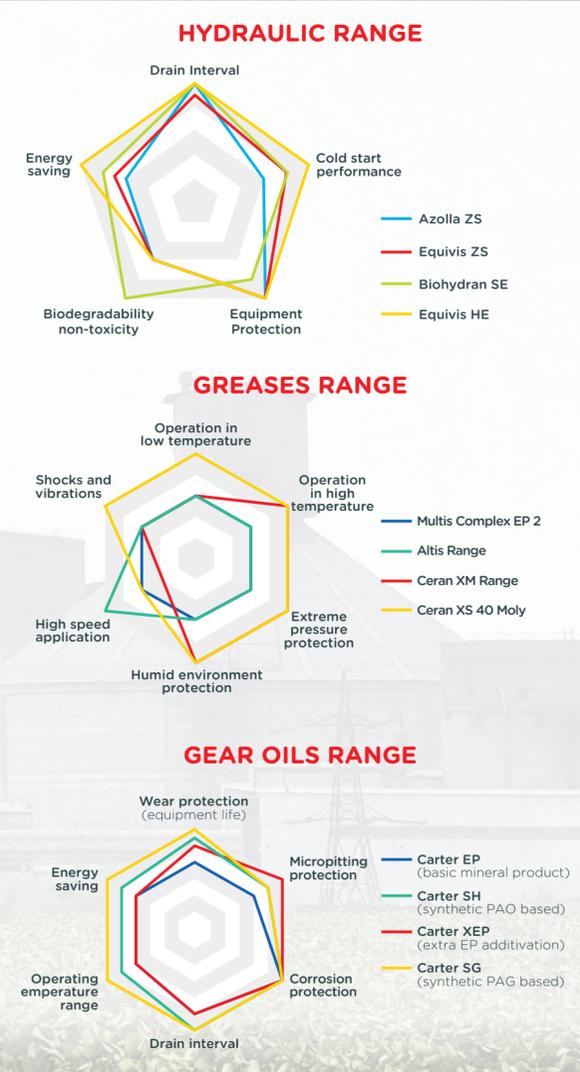


TotalEnergies team is at your disposal to guide you to choose the optimum lubrication solution



TotalEnergies Lubrificants includes a dedicated range for each application specially designed according to its needs and challenges. TotalEnergies Lubrificants offers an exceptional performance that allows to:

- ✓ Extend equipments' lifetime
- ✓ Reduce unplanned downtime
- ✓ Reduce Total Cost of Ownership





Cement industry