



Palm oil industry

High performance
industrial lubricants

Ensuring food safety
to maximize productivity



TotalEnergies



Summary

- The benefits offered by TotalEnergies Lubrificants LubAnac & LubInsight
- Your challenges, our solutions
- Utilisation units
- 3 main applications in refinery process
- Five good reasons for choosing TotalEnergies Lubrificants

Nevastane

The benefits offered by TotalEnergies Lubrificants



WITH MORE THAN
80 YEARS
OF EXPERIENCE,

Our teams are committed to helping you get more from your equipment for optimum reliability, especially during harvest.

GRASP YOUR INDUSTRIAL PERFORMANCE.



Nevastane was developed to meet the safety requirements of major agribusiness players

FOOD INDUSTRY LEADING STANDARDS FOR QUALITY, HYGIENE AND TRACEABILITY, OUR NSF CERTIFICATIONS ARE:

- NSF H1: Registered formulas incidental food contact possible.
- NSF ISO 21469: Certified factories. All production is therefore carefully monitored and audited to guarantee the highest levels of safety:
 - Formulating review.
 - Traceability and verifications.
 - Product testing.
 - Annual independent audit of our facility and products.



Nevastane also guarantees:



TotalEnergies lubricants, giving you that extra support!

Technical assistance

Present in more than **160 countries**, our experts are always by your side ready to support you:



On-site **audits**.



Identify the Critical Lubrication Points (HACCP).



Rationalization, TCO approach.



Product **recommendations**, optimizations, best practices for usage and storage.



On-site **training**.

LubInsight maintenance planner

optimized maintenance software for your lubricants

Based on the expertise of our engineers, **LubInsight maintenance planner** enables you to:



Increase **efficiency** and savings of your maintenance operations.



Guarantee **quality and safety** through documentation management and tracking of critical points.



Monitor your lubricant **analysis and parameters** with one single tool.

LubAnac

With **LubAnac Indus**, our preventive and corrective oil analysis solution, you can:



Reduce your operating costs.



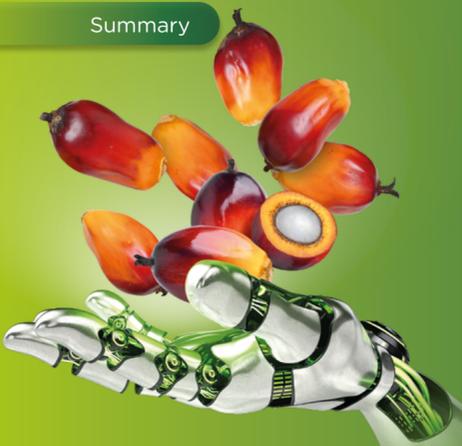
Optimize **drain intervals** and extend the lifetime of your machines.



Anticipate and plan maintenance operations to **perform them** at the best time.



Improve the **reliability and performance** of your equipment.



Lubricants specially designed to your needs and increase your productivity.

Palm oil is one of the world's most produced and consumed oils. This cheap, production-efficient and highly stable oil is used in a wide variety of food, cosmetic and hygiene products, and can be used as source for biofuel or biodiesel. Most palm oil is produced in Asia, Africa and South America because the trees need warm temperatures, sunshine and plenty of rain in order to maximize production.

TotalEnergies offers you the most suitable lubrication solution that enables you to operate your heavy equipments in plantations, palm oils mills, kernel mills and refinery plants at the optimized rate, while complying with the most stringent international standards.

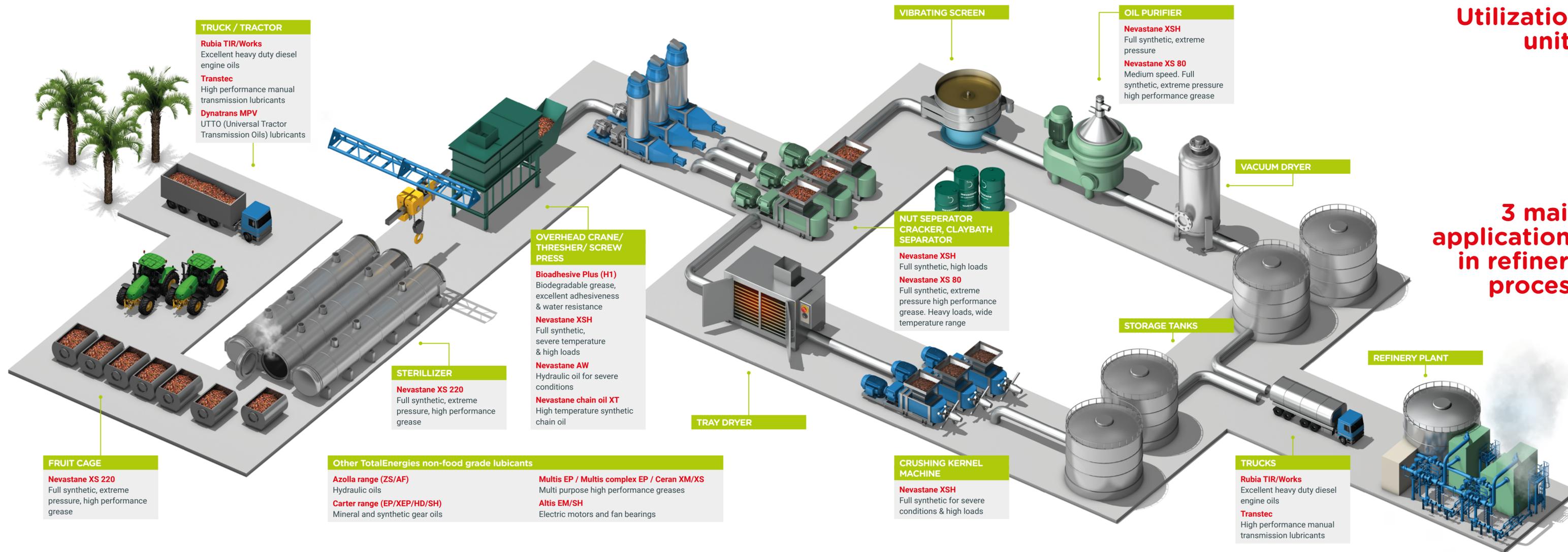


Your challenges

- Increase equipment reliability and operation performance.
- Reduce operating and maintenance costs.
- Protect your investment over time.
- Enhance worker safety.
- Take advantage of over 80 years experience of TotalEnergies in industrial oils.

Our solutions

- Wide array of product and service ranges, meeting the latest international specifications.
- NSF H1 registered food grade products designed for high level of hygiene and food safety required applications particularly in refinery plant.
- Worldwide presence in more than 160 countries.
- Customer service and technical assistance provided by dedicated professional teams.



Utilization units

AIR COMPRESSOR
Nevastane SH: oils are 100 % synthetic, based on PAO providing superior protection and longer service life to the lubricated equipment. They are recommended for the lubrication of air compressors, vacuum pumps and hydraulic oils.

HEAT TRANSFER SYSTEM
Nevastane HTF: White oil based heat transfer fluid with the addition of a high quality antioxidant confers an outstanding oxidation resistance, even at extremely high temperatures.

CLOSED GEAR BOX
Nevastane XSH: oils are 100 % synthetic, based on PAO and recommended for the lubrication of gear reducers, plains and roller bearings with high loads in the food processing industries.

HYDRAULIC SYSTEM
Nevastane AW: oils are based on white mineral oil and high performance additives and recommended for any high pressure hydraulic system and/or airline lubricators in the food processing industries.

BEARING GREASES
Nevastane XS: is an extreme pressure calcium sulfonate complex grease with white oil/PAO having anti-rust properties, wide operating temperature range and also highly resistant to water wash out.

3 main applications in refinery process





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

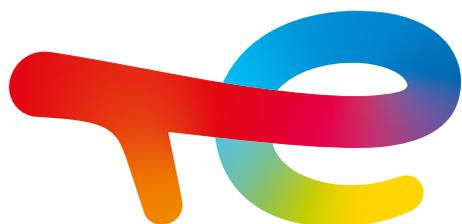


Innovation & Research

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

Quality and environment

TotalEnergies Lubrifiants 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