

# The benefits provided by



## TOTAL nevastane H1 LUBRICANTS 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.

TOTAL NEVASTANE also guarantees:



## TOTAL LUBRIFIANTS, GIVING YOU THAT EXTRA SUPPORT!

### TECHNICAL ASSISTANCE

Present in more than **150 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**.

### OPTIMIZED MAINTENANCE SOFTWARE FOR YOUR LUBRICANTS

Based on the expertise of our engineers, **TIG 6** enables you to:

- Increase efficiency** and savings of your maintenance management.
- Assert your **quality and safety management** through management of lubricant documentary and critical points.
- Lubricant **parameters and analyses** with a single tool.

### ANAC INDUS

With **ANAC INDUS**, our preventive and corrective oil analysis solution, you can:

- Reduce your operating costs**.
- Anticipate** and plan maintenance operations to **perform them** at the best time.
- Optimize drain intervals** and extend the lifetime of your machines.
- Improve the reliability and performance** of your equipment.

### A major player

With our production, supply chain and commercial presence in more than 150 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

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



### Innovation & Research

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

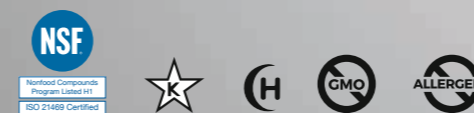
### Quality and environment

Total Lubrifiants ISO 9001 certification is the guarantee of a long term commitment to quality. From the initial design stage, our R&D teams seek to develop products that minimize toxicity risks and environmental impact.

Safety Data Sheets are available at [quickfds.com](http://quickfds.com)  
[lubricants.total.com](http://lubricants.total.com)



# Animal feed



# WITH MORE THAN 50 YEARS OF EXPERIENCE,

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

## GRASP YOUR INDUSTRIAL PERFORMANCE.



07/2019 - Total Lubrifiants SA 512 006 454 RCS Nanterre - Design: MANITOBA. Photos: Adobe Stock - iStock - Process: Analogue.



## Your challenges

- **Guarantee your equipment** is reliable and always available.
- Use state of the art lubricants to **extend equipment lifetime** and reduce shutdowns.
- Maximize **food safety** by following **HACCP** best practices and using **NSF H1** products.
- Find an **experienced lubricant partner** to rationalize and optimize your process.

## Our solutions

- **Efficient in every food processing applications**, the Total Nevastane range protects your equipment however severe the conditions are, including extreme temperatures, heavy loads and exposure to water and dust.
- A full range of **NSF H1** registered lubricants adapted to the possibility of incidental contact with food.
- International network of subsidiaries ensuring **local and technical support**, and a robust **supply chain** that maximizes worldwide product availability.
- Total Lubrificants is an **experienced multi-specialist** able to offer a large range of specialized lubricants.



### GRINDING & MIXING

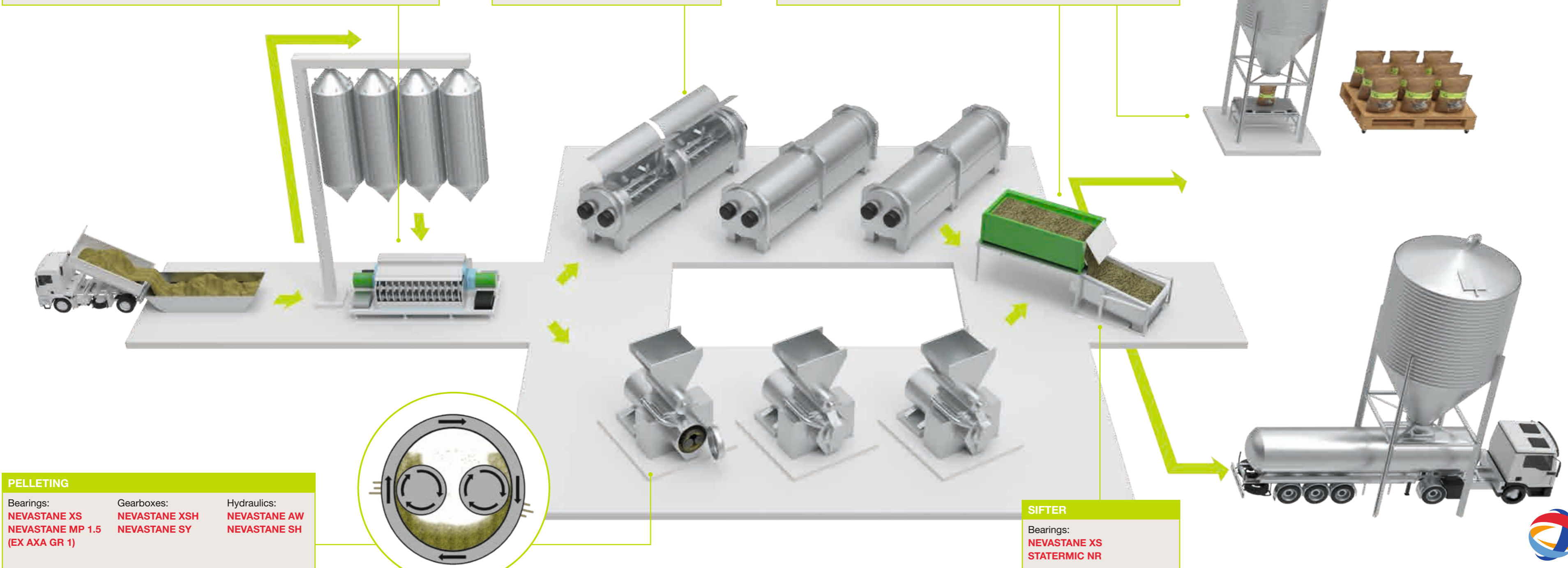
Bearings: **NEVASTANE XS**  
 Gearboxes: **NEVASTANE XS**  
**NEVASTANE SY**  
 Central lube system: **NEVASTANE XMF**  
**NEVASTANE XS**  
 Chains, conveyors: **NEVASTANE CHAIN OIL XT**

### EXTRUDER

Bearings: **NEVASTANE XMF**  
**NEVASTANE XS 320**  
**NEVASTANE EP**  
 Chains: **NEVASTANE HD2T**  
 Gearboxes: **NEVASTANE EP**  
**NEVASTANE XSH**

### COOLING PACKAGING

Bearings: **NEVASTANE XMF**  
**NEVASTANE XS**  
 Gearboxes: **NEVASTANE XSH**  
**NEVASTANE SY**  
 Hydraulics: **NEVASTANE AW**  
**NEVASTANE SH**  
 Vacuum pumps: **PV SH 100**  
 Chains, conveyors: **NEVASTANE CHAIN OIL XT**



### PELLETING

Bearings: **NEVASTANE XS**  
**NEVASTANE MP 1.5**  
**(EX AXA GR 1)**  
 Gearboxes: **NEVASTANE XSH**  
**NEVASTANE SY**  
 Hydraulics: **NEVASTANE AW**  
**NEVASTANE SH**

### SIFTER

Bearings: **NEVASTANE XS**  
**STATERMIC NR**

### DEDICATED OILS

- **TOTAL NEVASTANE EP:** Semi-synthetic oil for **gears and bearings**, adapted to a wide range of applications. Excellent extreme pressure properties. Can be used in wet pet food as seamer oil. Certified
- **TOTAL NEVASTANE XSH:** PAO synthetic oil for **gears and bearings**, adapted to high loads and wide temperature range. Extension of oil drain intervals. Certified
- **TOTAL NEVASTANE SY:** High performance synthetic oil (PAG). Reduce energy consumption and extend equipment lifetime due to very low friction coefficient. Excellent thermal stability. Effective even in presence of water. Certified
- **TOTAL NEVASTANE OIL XT:** Continuous lubricating oil for conveyor chains operating at very high temperature. Adapted for very high load and devices at temperature up to 240°C. Reduce the consumption regarding its very low volatility and oxidation resistance. Certified

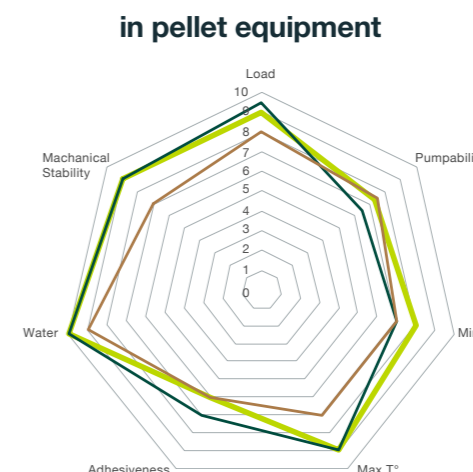
### SPECIAL GREASES

- **TOTAL NEVASTANE MP 1.5:** Extreme Pressure grease for bearings in Food Processing Industry. Suitable for pellet presses. Protection against corrosion in presence of water. Certified
- **TOTAL NEVASTANE XS 220-320:** Very high performance synthetic EP grease. Ideal for application in food industry, particularly in pellet presses. Excellent water and dust resistance, long service life. Certified
- **TOTAL NEVASTANE XM 460:** EP grease for industrial application under severe conditions : high loads, hard pellets,... Excellent water and dust resistance. Long service life. Certified
- **TOTAL NEVASTANE XMF:** Multipurpose grease for food industry. Good adhesiveness on metallic surfaces. Provides excellent corrosion protection and water resistance. Certified
- **Multis EP2:** Multipurpose grease, with excellent extreme pressure properties. Enable to rationalize stocks and simplify maintenance operations.

### SPECIFIC PRODUCTS

- **TOTAL NEVASTANE Lube Aerosol, Grease Aerosol, Silicone Safeguard, ...:** various applications, small machines and chains subject to extreme temperatures.

### SPECIFIC GREASES FOR PELLETING MACHINE: NEVASTANE MP 1.5 vs NEVASTANE XS 320 vs NEVASTANE XM 460



Products	Specific advantages	Thickener	NLGI Grade	Temp. Range (°C)	Registration
<b>NEVASTANE MP 1.5</b> (ex AXA GR 1)	High quality pellet press grease. Effective in Damp environment	Calcium complex	1.5	-20 °C; +150 °C	NSF H1 ISO 21469 KOSHER HALAL
<b>NEVASTANE XS 320</b>	High performance synthetic pellet press grease. Excellent EP performances. High water and dust resistance. Extend lifetime of equipment.	Calcium sulfonate complex	1.5	-30 °C; +180 °C	NSF H1 ISO 21469 KOSHER HALAL
<b>NEVASTANE XM460</b>	High quality grease for severe conditions: heavy load, hard pellets, water, dust, ...	Calcium sulfonate complex	1.5	-25 °C; +180 °C	NSF H1 ISO 21469 KOSHER HALAL

**Total Nevastane is able to deliver high performance** under extreme field conditions.

Beyond the performance of our lubricants, Total Nevastane has been developed to extend maintenance intervals and component lifetime as well as exceeding the highest requirements of food safety.

