

Multis range



10/2019 - Total Lubrificants SA 552 006 454 RCS Nanterre - Design: MANITOBA.
Photos: Process - Analogue. Médiathèque Lafarge - Ignus Gerber.

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.

5 good reasons for choosing TOTAL

References & OEMs

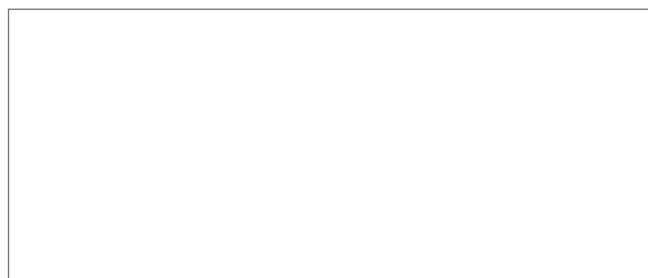
Total Lubrificants cooperates with equipment manufacturers to create high-technology products for optimal performance and protection of your machinery.

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 Lubrificants 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
lubricants.total.com



MULTIS RANGE

For over 40 years, Total Lubrificants has developed and marketed grease products.

With 9 plants located all over the world, Total Lubrificants is producing premium quality greases, sold in over 150 countries.

Thanks to our historical presence and strong experience, **Total Lubrificants is the one lubricant supplier able to offer a full range of high quality greases to satisfy today's ever increasing performance demands.**

Among them, the Multis range of products are high performance, multipurpose greases based on Lithium/Calcium thickener technology.

Your challenges

- **Reduce the number of greases** to minimize the risk of miss application.
- **Extend maintenance intervals** resulting in lower cost of maintenance.
- **Increase the life cycle** of key assets, components and equipment.
- **Ensure your product meets international and local HSE standards.**

Our solutions

- **Total Lubrificants offers robust greases covering a wide range of applications and performance parameters.**
- **Multis range provides long service life** thanks to its superior mechanical stability even under wet conditions.
- **Our proprietary grease formulations provide excellent protection** against mechanical stress, high temperatures, water contamination and high loads.
- **Total greases respect all local and international HSE regulations.**



A WELL-BALANCED RANGE

- Multipurpose : Multis, Multis EP
- Miscible with most conventional thickeners
- Outstanding mechanical stability with and without water contamination
- Superior thermal stability
- Excellent pumpability

Multis

- General purpose grease for automotive and industrial applications
- **Available NLGI grade:** 2 and 3
- **Soap:** Lithium/Calcium
- **Operating temperature:** -25°C to 120°C

SUPERIOR STABILITY

Multis range provides industry leading performance under **wet service conditions**. Our proprietary thickener technology delivers outstanding resistance to hydrolysis. The thickener maintains its integrity under extremely wet operating conditions.

Our stable thickener coupled with our performance additives resists the onset of corrosion.

Multis EP

- Extreme-Pressure grease for highly loaded automotive and industrial applications
- **Available grade NLGI:** 000, 00, 0, 1, 2 and 3
- **Soap:** Lithium/Calcium
- **Operating temperature:** -25°C to 120°C

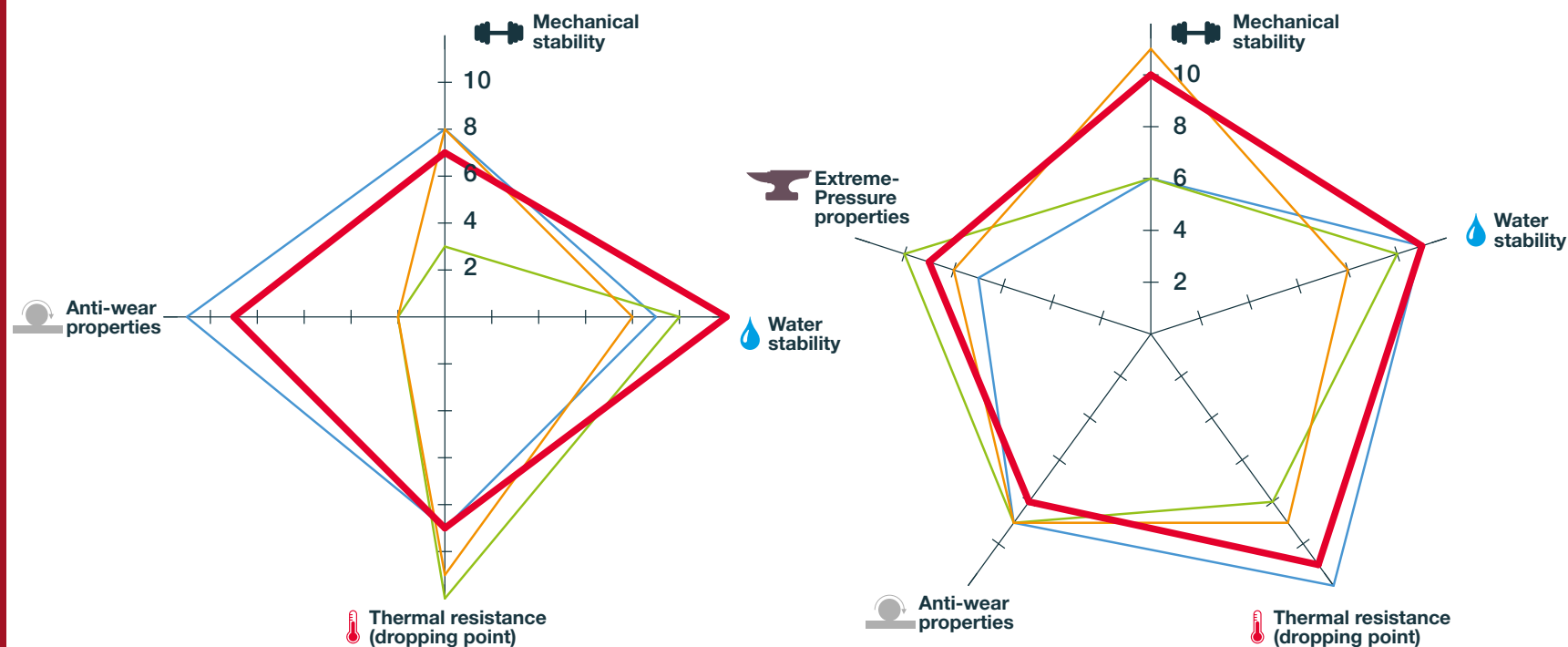
OUR OTHER PERFORMANCES

Mechanical stability is one of the most important performance requirements.

Total Multis and **Total Multis EP** are the only greases that maintain their consistency while mechanically stressed both with or without water contamination.

Thermal resistance
Our products are able to operate at elevated temperatures and maintain lubricating film thickness which leads to extend service life.

Anti-wear and Extreme-Pressure
As optimizing Extreme-Pressure and Anti-wear performance is a compromise, **Total Multis EP** delivers **the optimum balance** between the two.



- Competitor A
- Competitor B
- Competitor C
- Multis 2 (Total)

- Competitor D
- Competitor E
- Competitor F
- Multis EP 2 (Total)

Note: All the tests were carried out using a NLGI grade 2.
Tests procedures: Worked penetration after 100,000 strokes by ISO 2137 (*Mechanical stability*); Worked penetration after 100,000 strokes + 10% of water by ISO 2137 (*Water stability*); Dropping point by IP396 (*Thermal resistance*); 4-ball wear by ASTM D 2266 (*Anti-wear*); 4-ball weld load by ASTM D 2596 (*Extreme-Pressure*).



TOTAL