



Your world, more efficient.



TECHNICAL SERVICES

LUBRICANTS



At Cepsa, one of the pillars of operational excellence that defines us is the top quality technical service we offer our customers.

We formulate, manufacture, and market premium quality lubricants and are present throughout their entire life cycle. Our technical team is deeply involved in the control and monitoring of the products. We offer our customers **Cepsa OilMonitor, our own oil analysis and diagnostic service**. For this, we have our own **Research Center**, with more than 12,000 m² and several specialized laboratories, most notably our lubricants laboratory.

As lubricant experts, we provide a variety of **customized technical consulting services**. Our team of specialist engineers carries out **technical visits** for the purpose of drawing up a detailed report, investigating the causes of the problems detected, and proposing solutions. We also produce **charts and detailed lubrication studies** for your industrial facilities or fleets of vehicles and ships.

To complete the range of services, our team of technical lubricant specialists offers **training courses, conferences and seminars** tailored to each need.

WHAT DO WE OFFER?



OilMonitor

Diagnostic and Analysis Service



Technical Support
(optimization, re-engineering and personal support)



Technical visits and reports



Training, seminars and conferences



Lubricant Studies

OilMonitor ANALYSIS AND DIAGNOSTICS SERVICE



▶ PROTECT YOUR EQUIPMENT WITH OILMONITOR

OilMonitor is a lubricant analysis service designed to support and improve predictive, preventive and corrective maintenance of your fleets and equipment.

By analyzing the lubricant being used, it is possible to know the condition and evolution of the machinery in which the oil is being used. Therefore, our lubrication engineers are in charge of tracking the history of all your equipment, in order to make an appropriate diagnosis in each case.

With OilMonitor, you can:

- ◇ **Optimize change intervals** by determining in advance the most suitable time for oil replacement. You will maximize product performance, avoiding early wear, and achieving longer than expected useful life.
- ◇ **Anticipate anomalies and wear** that shorten the life of the equipment. Oil analysis can anticipate possible equipment failures before they occur, providing ample leeway for corrective action and saving on maintenance costs.
- ◇ **Evaluate the performance** of your equipment in each facility or fleet and **check the efficiency of corrective measures implemented**. Analyses can give you information about actual machine performance and the corrective adjustments made.

OilMonitor is your best ally for optimizing maintenance and increasing the reliability and performance of any equipment installed in your fleet.

Taking oil samples and analyzing them in our Research Center allows us to gather information about the state of the lubricant and the equipment so that we can optimize the performance of both, anticipating premature wear and possible anomalies.



▶ ADVANTAGES OF THE OILMONITOR PROGRAM

- ◇ **Experience.** With tens of thousands of samples per year, Cepsa has extensive experience in predictive maintenance through lubricant analysis.
- ◇ **Reliability.** We have a team of engineers specializing in lubrication, able to report an accurate diagnosis of the condition of your lubricants and machinery, and to recommend the appropriate actions that should be taken.
- ◇ **Customization.** Each team is associated with a specific type of analysis, so as to offer the best diagnosis and recommendation according to the intended use.
- ◇ **Round-the-world availability.** OilMonitor is available worldwide: we analyze your samples in our Research Center in Madrid (Spain), and we reach you wherever you may be thanks to our simple, intuitive and highly user-friendly web application.



▶▶ WITH OILMONITOR YOU GET:

- ◇ **DIAGNOSTICS AND RECOMMENDATIONS** prepared by the technical lubricants team.
- ◇ **CUTTING-EDGE ANALYSIS TECHNOLOGY** in our own **exclusive laboratories**.
- ◇ **CLEAR AND SIMPLE REPORTS** allowing for **quick understanding of the diagnosis**.
- ◇ **HISTORICAL RESULTS BY TEAM**, to evaluate **trends and the result** of corrective actions implemented.

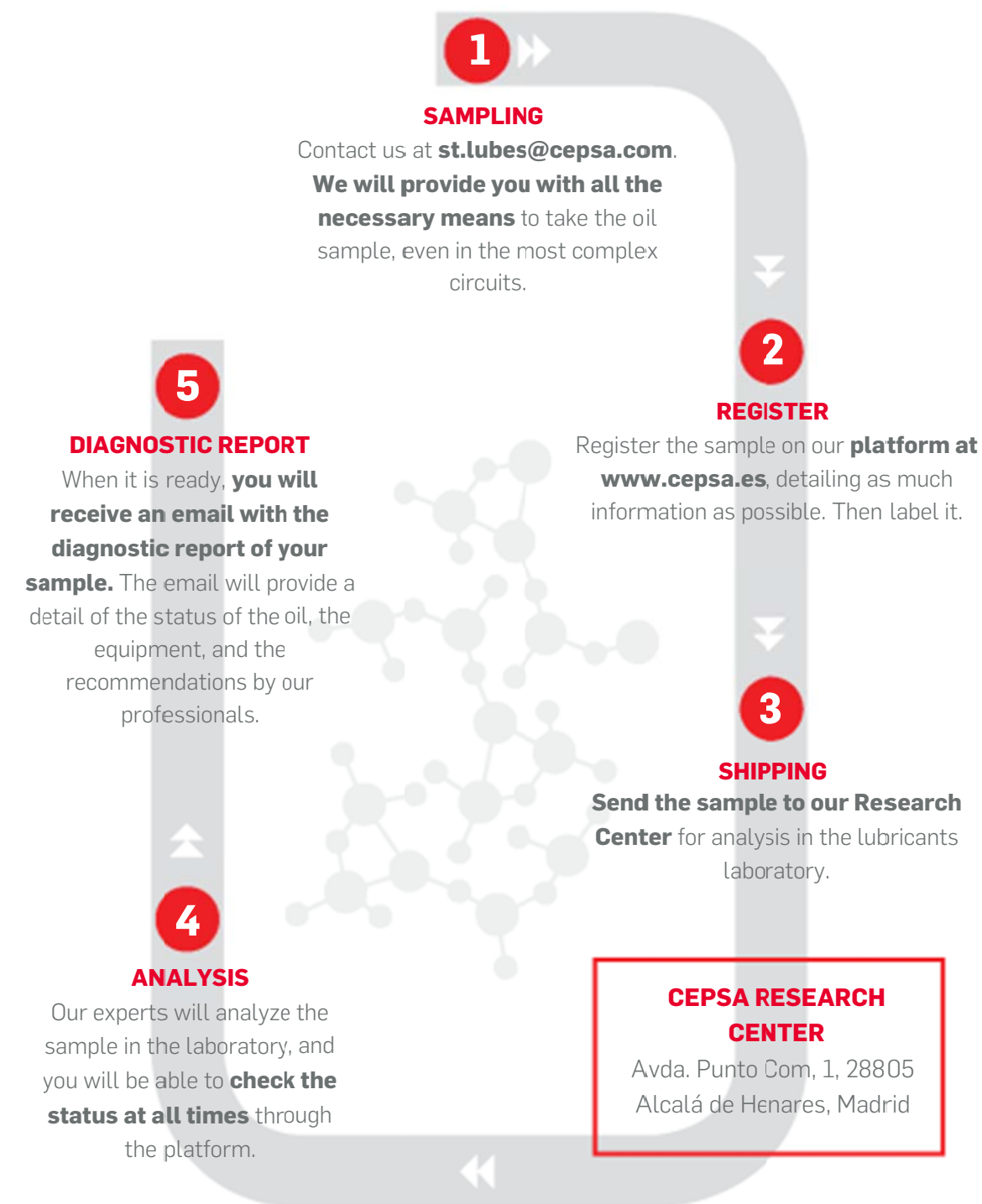
▶▶ CEPSA RESEARCH CENTER

At Cepsa, we have our own Research Center in Madrid, with a laboratory that is exclusively devoted to analyzing lubricants. In this space, presided by the innovative spirit that characterizes us, we have:

- ◇ **6,600 m² in laboratory space**, equipped with the most advanced technology in the market.
- ◇ **6,000 m² in pilot plants**, allowing Cepsa to be one of the world's most advanced global energy companies.
- ◇ **Highly qualified lubricant analysis personnel**, with specialists in lubricant testing and analysis methods, led by expert chemists with proven track records in the industry.

▶▶ HOW DOES OILMONITOR WORK?

All you need to do is follow these simple steps:



OilMonitor

THE MOST ADVANCED TECHNOLOGY AT THE SERVICE OF EFFICIENT, FAST, AND ACCURATE DIAGNOSTICS.



TECHNICAL VISITS AND REPORTS



We have a highly qualified team of specialized engineers ready to be dispatched to your facility or ship. They will establish the most cost-effective lubrication conditions, find the most efficient solutions to problems and prepare comprehensive technical reports.



TECHNICAL ADVICE



We have specialist engineers who will advise you directly with regard to your specific lubricant needs. Our aim is to guarantee a service characterized by the utmost reliability and trust.

OPTIMIZATION AND RE-ENGINEERING

Through a detailed study of your equipment and facilities, we optimize and improve your production processes by:

- ◇ **Maximizing lubricant change intervals:**
Determination of the recommended change interval through the information obtained from the sampling, analysis and diagnosis system.
- ◇ **Optimization of lubricants in use:**
Simplification of the portfolio of lubricants used in your facility or fleet.
- ◇ **Re-engineering:**
Study and analysis of the lubrication needs of each facility, proposing operational improvements that translate into cost reductions.

PERSONALIZED SUPPORT

At Cepsa, operational excellence relies on professional, personalized support. We provide you with **direct contact with a personal technical advisor**, who provides a quick and efficient response in solving technical problems and queries, avoiding having to deal with platforms.

TRAINING, SEMINARS, AND CONFERENCES



At Cepsa, we consider **the transfer of know-how** to be essential. By means of specific training courses, we transmit to our customers the necessary concepts for the correct selection and application of our wide range of products.

You will achieve maximum performance in the lubrication of your equipment thanks to the knowledge of technological trends and advances, which we customize to your needs.

We offer training sessions suited to any need, from the most basic to the most specialized levels:

- ◇ General lubrication
- ◇ Product portfolio training
- ◇ Advanced equipment greasing and lubrication training
- ◇ Interpretation and diagnosis of analysis of oils in use
- ◇ Ad-hoc training for each sector





LUBRICATION STUDIES AND CHARTS

We offer **detailed lubrication studies and charts** to ensure optimum operation and service life of machinery.

For this, we provide you with a team of experts who evaluate each facility or ship in detail and recommend the ideal product from our portfolio for each application.

By studying the lubrication needs of each piece of equipment, we are able to reduce maintenance costs by:

- ◇ Controlling sampling intervals
- ◇ Optimizing lubricant replacement intervals
- ◇ Reducing the number of products used
- ◇ Ensuring efficiency in the consultation of lubricants in use





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