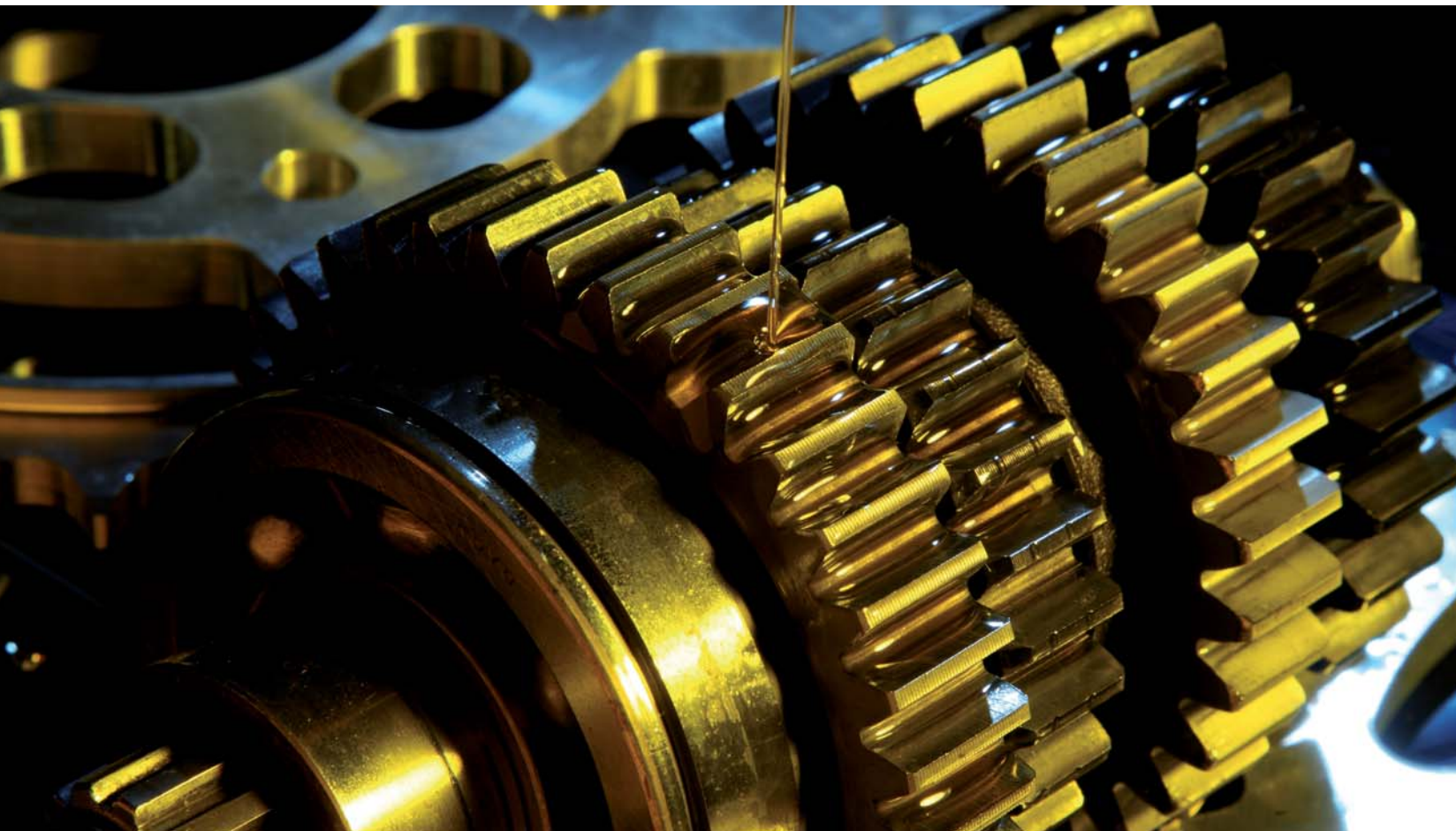


OEL ✓ **CHECK**®

Oil can talk.

We understand the message.





Oil can talk. We understand the message.

High performance and still full of power reserves - or already used and posing serious risks for systems and machines?
OELCHECK examines the quality of the lubricant and draws accurate conclusions.
In doing so, expensive repairs, downtimes and unnecessary oil changes can be avoided.

The fact is, every oil is subject to a continual process of change. Foreign materials in the oil, such as dust, water and wear particles, contaminate it. High operating temperatures and contact with oxygen cause it to age. As a method for cost-reduce, oil change intervals are being extended further and further. In the long term, however, this increases the risk of oil-related damage. Nevertheless, it is possible to minimise this risk. From a multitude of physical and chemical characteristic values, OELCHECK deduces the condition of the oil and machine alike. In doing so, the best time for an oil change can be determined. Wear particles are matched to specific damaged machine parts. These provide information about the condition of the system and its components and provide a predictive warning of damage.

In construction machinery and industrial equipment, cars, trucks and lorries, gearboxes and hydraulic systems, OELCHECK analyses all lubricants as well as many fuels and understands the message.

Experience, Innovation and Partnership

OELCHECK is the leading laboratory for lubricant analyses throughout the German-speaking community. Founded in 1991 under the name of WEARCHECK, our company is still a family-run business today and is therefore completely independent. Whether in the automotive sector or in industry - OELCHECK's lubricant analyses are essential in modern-day service and maintenance.

We are following a consistent course of expansion. Our laboratory is state-of-the-art. We invest consistently in innovative test equipment and intelligent software. Our employees are recognised experts in their field. They provide accurate diagnoses for each oil sample we analyse. In the OILDOC training courses, they pass on their practical knowledge. They advise on the best choice of lubricant. The OELCHECK professionals perform as independent witness in the clarification of damages.

**Customers benefit from our extensive experience,
our innovations and a unique partnership -
Welcome to OELCHECK!**



Dipl.-Ing. Peter Weismann
Company founder and technical director



OELCHECK Analysis Test Kits - Economical, Practical and Ingenious

Using the OELCHECK analysis kits, you can draw and dispatch oil samples quickly, cleanly and easily. For each problem, suited kits are available with a combination of the test procedures required for this. You pay for the kits in advance. The price includes the cost for the entire analysis and its diagnose statement, allowing you to work out the costs exactly.

The scope of the analysis is clearly defined by the cap colour, the oil type and the oil's origins. Once you place your order, we promptly send you the analysis kit by courier service. Each packaging unit contains a 100 ml, temperature-resistant, wide-necked PE-sample bottle and a preaddressed, leak-proof envelope. The Sample Information Form asks (often industry-specific) questions regarding the oil sample. You should provide as much information as possible so that the sample can be assessed completely.

On each Sample Information Form, there is a sticky label with a barcode number that you can peel off. You stick this on the sample bottle for identification purposes. The barcode number is a unique laboratory number. It helps simplify queries and is the most important control element.

After a professional sample has been taken, you send the sample to the OELCHECK laboratory in its oil-tight sealed envelope with the Sample Information Form inserted separately. OELCHECK provides you with instructions and the relevant accessories to enable you to take oil and grease samples easily and cleanly.



All samples in the prepaid analysis kit, which arrive at the laboratory before midday with all the required information are analysed and completed with a diagnose statement within 24 hours.





Detailed and meaningful Laboratory Reports

OELCHECK does not just deliver raw data.

All the data is presented so that it can also be understood by non-specialists. In the laboratory report, which is sent by e-mail, post or fax, more than 25 values are examined, rated and commented on individually. An engineer, not a computer, assigns a green, yellow or red diagnosis symbol. One of our experts explains the wear condition in a specific diagnose field. To allow you to easily identify any existing trends, the results of previous analyses are listed alongside the current values.

Thanks to the detailed OELCHECK Laboratory Reports:

- ✓ you find out all you need to know about the condition of your systems;
- ✓ you avoid expensive repairs and downtimes;
- ✓ you detect ongoing damage in time;
- ✓ you change the oil specifically at the right time;
- ✓ you protect the environment by discarding less used oil.

Fast Online Database

You can access your laboratory reports and sample data via the Internet at any time and from anywhere in the world using your personal login data, which you receive from us free of charge.

At www.laborberichte.com, you can also:

- ✓ access all previous analyses including the sample information forms and detailed pictures;
- ✓ translate laboratory reports into foreign languages via e-mail;
- ✓ forward reports easily, saving your comments in the process;
- ✓ fill out Sample Information Forms for new samples.

Evaluation Using Diagnosis Symbols





Our Laboratory Sets Standards

The OELCHECK laboratory uses the latest analysis equipment. We have worked together with the manufacturers to develop much of the testing equipment and have focused on the particular requirements of analysing what can sometimes be highly viscous lubricants. An experienced team of chemists and laboratory technicians operate all the different analysis equipment and examine up to 1,000 individual lubricant samples each day.

The company's IT department can access by its own source code directly all programmes. It develops and manages the complex Laboratory Information System (LIMS). The software is structured modular. It is therefore easy to integrate new test procedures or equipment as plug-ins. The results of all analyses are managed in a Microsoft SQL database. Customers are always granted password-protected access to their individual database at www.laborberichte.com.

We have developed our own "Sample Rating" programme to ensure that our OELCHECK engineers, who diagnose on hundreds of samples each day, can work to a high standard. Besides providing the laboratory data, against which warning and limit values as well as fresh oil values are compared, the programme also provides trend monitoring. Furthermore, it concisely presents all the test results, diagrams and photos delivered from the laboratory.

Used solvents, rinsing liquids and lubricant residues from the entire laboratory building run through pipes into separate containers. Some are recycled using rotating evaporators. Volatile solvents and typical oil odours are extracted directly from the affected work stations. We consistently strive to optimise all processes and thereby guarantee maximum safety.

All operations in the OELCHECK laboratory are integrated in quality management and environmental management systems. OELCHECK has been certified in accordance with ISO 9001 already since 1995 and in accordance with ISO 14001 since 2001.

The OELCHECK Experts - Our Customers' Partners

“Our customers are our partners. Our objective is to improve an early detection of damages on key parts and to extend oil change intervals up to actual needs. This helps to reduce costs and to protect the environment”.

*Paul Weismann, Bachelor of Science
General Manager at OELCHECK*



The OELCHECK engineers have a solid general knowledge of mechanical engineering. They are familiar with nearly all production processes. In addition, they have experience with lubricants as “tribologists”. They provide individual diagnose statements for each laboratory report. If you have any questions regarding a laboratory report, a technician is always personally available to you.

As part of the consulting service, the OELCHECK engineers also actively support you to:

- ✓ establish longer oil change intervals and optimise and simplify the in-house lubricant technology;
- ✓ create lubrication plans and select the most suitable lubricants;
- ✓ analyse cases of damage and provide an expert opinion;
- ✓ assist in negotiations with systems manufacturers and lubricant suppliers.

The OELCHECK engineers are involved as recognised lubricant specialists in numerous international research projects and play an active role in standardisation groups and lubricant committees.



OELCHECK - Consistently Following its Course of Expansion

“When we founded our company, the undertaking of making a living from analysing oil was just one of our visions. It became a reality earlier than we expected. Although we do not have a sales force to look after customers, OELCHECK has been following a consistent course of expansion since 1991. Nevertheless, our visions have remained the same. We implement them together with our employees and are always offering our partners new services, which they immediately can benefit from.”

*Barbara Weismann
General Manager at OELCHECK*



The number of samples analysed in the OELCHECK laboratory has been increasing in double digits annually since the company was founded. This is why we are continually investing in the automation of test equipment and in new software. Nevertheless, we always require new members to strengthen our team.

Management places a great deal of emphasis on optimally integrating new employees and technical ideas. Only when man and machine are working perfectly together and we consistently incorporate a detailed, well-designed quality management system, do we have the structures and processes we need for the future development of our company.

Everybody strives to identify the requirements and needs of our customers and to fully meet their expectations. Fast reaction times and professional work are essential in achieving this. The agreed services must be fulfilled rapidly, accurately, to a high and consistent standard.

The requirements on our employees and trainees are equally high. Despite the extensive workload and continual training sessions, we place a great deal of emphasis on creating a positive working atmosphere. At the end of the day, OELCHECK has remained a family-run business in which fun and enjoyment must play their part.





OILDOC Training Courses - For Hands-On People

In basic training courses, we provide detailed information on the basic principles of lubrication and oil analysis, on how to select lubricants and how to evaluate the analysis results from lubricant laboratories. The follow-on workshops deal more specifically with the statements and interpretations of oil analyses. We also include the selection of the right chemical or physical test procedure in the case of complaints or specific problems.

In addition, we cover more complex topics such as: optimal lubricant management, proactive maintenance or oil analyses as a control instrument. Our trainers communicate the course content in a target-oriented way and make it easy to understand. The presentations are supplemented by practical exercises and the exchange of experiences. Of course, we also provide detailed course materials.

The spacious training rooms in the OELCHECK building in Brannenburg are equipped with the latest technology. The atmosphere here is pleasant and allows efficient study in small groups. It is also possible to arrange customer-specific training on-site at any time, which focuses on individually agreed topics.

Every year since 1996, OELCHECK has offered an entire range of training courses in which the OELCHECK engineers pass on their highly specialised knowledge. The course content has been designed specifically for hands-on people from the service and maintenance areas. The focus of each of these courses is geared towards the various machine elements, systems or industries.

Just some of our satisfied customers





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