



OELCHECK

Oil can talk

We understand the message



“ OELCHECK is the leading laboratory for lubricant and operating fluid analyses in Europe. We are continuously developing OELCHECK so that we can offer you the best possible service now and in the future. We systematically invest in new, innovative technologies and are constantly optimising our comprehensive analysis services in the area of maintenance. ”

Paul Weismann, Managing Director



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LUBRICANTS – THE ELIXIR OF LIFE FOR MACHINES

Extend the service life of the lubricant and of your machines

Lubricants ensure smooth operation of vehicle engines, gas engines, wind turbines, construction machinery, aircraft, industrial plants, and almost any type of machine that delivers top performance every day.

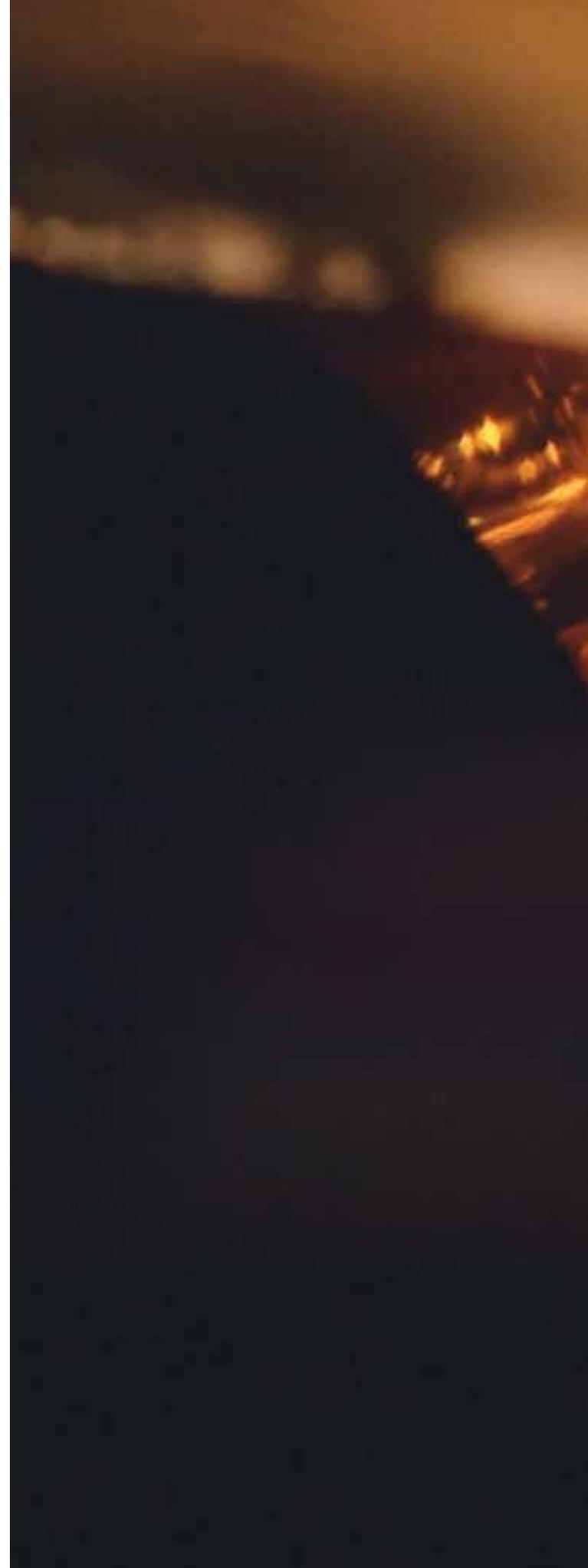
A high-quality, clean, unmixed lubricant is essential to optimum and lasting performance.

But every lubricant ages during use. High operating temperatures and contact with oxygen accelerate this process. Difficult operating conditions as well as impurities such as dust, water or wear particles also have a negative impact on the lubricant.

OELCHECK helps to identify these risks early on. The lubricant itself provides information about its own condition as well as that of the machine.

With a lubricant, operating fluid or coolant analysis from OELCHECK, you can adapt the maintenance and replacement intervals to the actual condition of your machines and oil charges.

In addition to lubricating greases, coolants and operating fluids, we can analyse lubricants from gearboxes, engines, hydraulics, transformers, turbines, compressors, heat transfer or refrigeration systems, and more. Each analysis is precisely adapted to the component being analysed.







ANALYSES FROM THE MARKET LEADER

First-class laboratory management



OELCHECK is the leading laboratory for lubricant and operating fluid analyses in Europe.

We have been analysing and diagnosing lubricants (oils and greases), operating fluids (diesel and heating fuels) and coolants in our Brannenburg (Bavaria) laboratory since 1991. All laboratory results are diagnosed exclusively by our OELCHECK tribologists in Germany.



The OELCHECK laboratory is equipped with state-of-the-art analytical instruments, and multiple units are available for most of these.

The analytical results are stored in a database using an in-house LIMS (lab information and management system). For every sample, which we receive in our all-inclusive kit, we issue the laboratory report in German, English, Chinese or one of a number of other languages by the end of the following working day.



Each and every process in our laboratories is performed according to quality and environmental management systems.

Our company has been certified in accordance with DIN EN ISO 9001 since 1995 and additionally in accordance with DIN EN ISO 14001 since 2001.

The OELCHECK laboratory has been accredited with selected test methods in accordance with DIN EN ISO/IEC 17025:2005 since 2009.

EVERYTHING IN ONE BOX

Absolutely everything

The Order Assistant on our Onlineshop will help you to find the right all-inclusive kit for your requirements. Whether you need an analysis of a truck's gear oil or of the lubricating grease from your wind turbine, we always have just the right analysis kit for you.

With the OELCHECK analysis kits, the samples can be taken and shipped cleanly, quickly and easily.

An all-inclusive kit includes a single shrink-wrapped OELCHECK 100 ml sample bottle with a cap in the kit colour, a Sample Information Form with a detachable lab number and an addressed returns envelope.

Tailor-made kits with a combination of the appropriate test methods are available for every type of lubricant, every sector and every issue. The cap colour as well as the lubricant and its origin clearly specify the scope of the analysis.

The Sample Information Form asks industry-specific questions about the sample. These should be answered as fully as possible so that the results of the analysis can be comprehensively assessed. On each information form, you will find a sticker which includes the laboratory number as a barcode and in text form.

This sticker should be attached to the designated field of the sample bottle in order to clearly identify the sample. The unique laboratory number directs the sample through the OELCHECK laboratory.



PROBENBEGLEITSCHIN
Sample Information Form (SIF)

Kund: DELCHEK

Probe: Sample

Analysenumfang
Test scope

Zeit sparen! QR-Code scannen, Probe online eingeben
Save time! Scan QR-Code, enter sample data online www.labreport

Angaben zur Probe erfolgen online (Sample Information Form provided online)

Grund für die Analyse
Reason for analysis

Routinekontrolle (Routine control) Reaktion für Analyse (Reaction for analysis)

Trend, vorherige Laborer. (Trend, previous lab.)

Schaden (Damage) Sonstiger Grund (Other reason)

Bei Wechsel der Ölmarke: Vorher eingesetztes / nachgefülltes Öl
After oil change / previous product used / refilled oil

Probenentnahme Sample taken	Letzter Ölwechsel Oil changed	Nachfüllmenge Top up volume
TT in Min. (J/J)	TT in Min. (J/J)	l/lt

Öleinsatzzeit Oil in use	Gesamtlaufzeit Total operating time	<input type="checkbox"/> km <input type="checkbox"/> Stunden (Hours) <input type="checkbox"/> Monate (Months) <input type="checkbox"/> Jahre (Years)
<input type="checkbox"/> Ja (Yes) <input type="checkbox"/> Nein (No) <input type="checkbox"/> Vor Ölwechsel (Before oil change) <input type="checkbox"/> Nach Ölwechsel (After oil change)	Öl gewechselt Oil changed	

Hersteller
Oil manufacturer

Ölbezeichnung
Oil brand name

Viskosität
Viscosity (ISO-VG)

Bitte diesen Barcode auf das Probengefäß kleben!
Please stick this barcode label to the sample container!

1234567





NO MORE PAPERWORK

Enter data online



Our customer portal and the OELCHECK-App are available to all of our customers anywhere in the world. The easiest way to enter the sample data is with the practical OELCHECK-App.

The app allows you to enter the sample data in just four steps:

1. Scan the QR-Code on your machine or select the relevant machine and its component.
2. Scan the barcode from your Sample Information Form.
3. Add information on your current sample, e.g. operating time or date.
4. Save and submit directly to OELCHECK online.



EVERYTHING AT A GLANCE

Find your laboratory reports online at www.lab.report

The OELCHECK tribologists have expert knowledge of general mechanical engineering and extensive professional experience from a wide range of industries.

They provide individual diagnosis on each laboratory report based on all the data and their many years of experience. In addition, our customers will always receive a personal, case-specific reply from our skilled staff to queries regarding the laboratory reports.

Your laboratory report will include a variety of analytical data regarding the condition of the lubricant used as well as that of your machine. The diagnosis from our experienced tribologists will include a recommendation for further action. Sample data can be entered, viewed and managed online from anywhere in the world in the LAB.REPORT customer portal.



Data entry



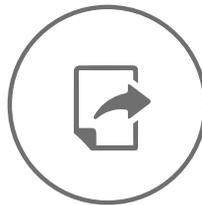
Display & compare



Sample status



Translation



Export



Trends



Q All views



Marken	Artikelnr.	Partnr.	Lot no.	Unit ID	Component	Unit	Period	Team	Subteam	Operator	Total qty	Oil quantity	Company	Unit	Unit	Unit	Department	Sample from	Sample	
	170284	Plan gear			Heat transfer oil	1	14.10.2018	12.10.2018	Shell Thermo E	4	18	4000	Beispielbericht						Heat transfer oil	
	170285	Farm tractor			Diesel engine	2	12.10.2018	07.10.2018	Castrol TD 1500-40 SPO	200	3300	27	Beispielbericht						Dieselmotor	
	1704516	brake fluid					04.10.2018	29.09.2018					Beispielbericht						brake fluid	
	1701788	oil 2			Hydraulic oil	3	02.10.2018	26.09.2018	Arco Fluid 68L 46	2	7	320	Beispielbericht						Hydraulik	
	1704419	MFC hydraulics tube			Hydraulic	3	24.09.2018	10.09.2018	Fuchs Hydraulform LM	2390	1074	200	Beispielbericht						Four stroke main	
	1700947	Ship engine			Four-stroke marine diesel eng	3	17.09.2018	14.09.2018	Shell Gadina 40	7480	22094	10000	Beispielbericht						lubricating oil	
	1704501	steam turbine			lubricating oil ST	3	17.09.2018	14.09.2018	Shell Gadina 40	7480	22094	10000	Beispielbericht						Hydraulik	
	1701783	oil 1			Hydraulic	3	30.08.2018	24.08.2018	Mobil GTE 68L	2	5	200	Beispielbericht						Hydraulik	
	1704230	Wind energy system			insulating oil	1	28.08.2018	17.08.2018	Mobil GTE Maxium	42000	10200	3500	Beispielbericht						insulating oil	
	1704436	transformer			lubricating oil	1	16.08.2018	12.08.2018	Fuchs Penosin PFL II				Beispielbericht						lubricating oil	
	1702842	Water turbine					14.08.2018	31.07.2018	Fuchs Penosin PFL II				Beispielbericht						not reported	
	1704478	VTP				1	14.08.2018		Arctrogen NLC			27648	Beispielbericht						Umrichterschalt	
	1704478	VTP				1	14.08.2018	11.08.2018	Titan Hydraul 150-40	110	1410	80	Beispielbericht						Drive and hydraul	
	1704336	Wind energy system			Umrichterschalt	2	08.08.2018	02.08.2018	Altolene MC Plus 120-40	427	4427	43	Beispielbericht						grease lubricator	
	1702886	Farm tractor			Drive and hydraulic system	2	04.08.2018	29.07.2018	BP Energolube LS-EP 2	3	2	200	Beispielbericht						Lubricating grease	
	1702947	Construction machine			Diesel engine		01.08.2018	09.08.2018	BP Energolube LS-EP 2	1	4	200	Beispielbericht						Kühlmittel	
	1702913	Cylindrical roller bearing			grease lubrication		01.08.2018	09.08.2018	BP Energolube LS-EP 2	1	4	200	Beispielbericht						Turbine	
	1702907	Roller bearing			Lubricating grease		01.07.2018	29.07.2018	Carlisle Arctrogen N			200223	Beispielbericht						Turbine	
	1704192	Locomotive			Coolant	1	24.07.2018	14.07.2018	Addinol Turbine Oil MT 44	444		1400	Beispielbericht						lubricating oil	
	1704802	VOKTRUFWKWAÜWOWW			Turbine	2	24.07.2018	14.07.2018	Addinol Turbine Oil MT 44	444		1400	Beispielbericht						Stoppschalter	
	1704803	VOKTRUFWKWAÜWOWW			Turbine	2	24.07.2018	14.07.2018	Shell Turbo T 44	71020		3800	Beispielbericht						Kühlmittel	
	1704802	Water turbine			lubricating oil	4	19.07.2018	07.07.2018	Addinol GMD MS G3 Extra PLUS	1420	4868	200	Beispielbericht						Hydraulik	
	1704289	Diesel engine			Gas engine	3	18.07.2018	10.07.2018	Addinol Anthracite Extra 4000			73000	Beispielbericht						Turbine	
	1704289	Gas engine			Kühlmittel		18.07.2018	10.07.2018	Evo M.P. 33 4P	2442	43707	202	Beispielbericht						main engine, syst	
	1704289	Gas engine					18.07.2018	08.07.2018	Addinol Turbine Oil MT 44	7		1400	Beispielbericht						WKA-Hauptgerät	
	1700822	Hydraulic mounting machine			Hydraulic		16.07.2018	08.04.2018	BP Energol DEW 1 30	85710	20710	2000	Beispielbericht						Industrial trans	
	1704806	VOKTRUFWKWAÜWOWW			Turbine		13.07.2018	04.07.2018	Castrol Optigear Synthetic A 320	1600	49018	4800	Beispielbericht						Stattlager, fetige	
	1702926	Ship propulsion engine			Two-stroke marine diesel eng	2	12.07.2018	10.07.2018	Mobil Mobilgear 400 XP 320	1600	49018	4800	Beispielbericht						Industriegetriebe	
	1704298	Wind energy system 2			Main Gear	8	12.07.2018	03.07.2018	Mobil Mobilgear 400 XP 320	1600	49018	4800	Beispielbericht						Final drive	
	1704843	Mill gear			Industrial transmission	3	12.07.2018	10.06.2018	Mobil Mobilgear 400 XP 320	1600	49018	4800	Beispielbericht							
	1704322	Wind energy system 1			blade bearing, grease lubricat	1	11.07.2018	20.06.2018	Hydrol Turb 3HD 150	500		1127	Beispielbericht							
	1702929	ABB TYPICAL REPORT			Industriegetriebe	2	10.07.2018	03.07.2018	Shell 600-140				Beispielbericht							
	1702874	Construction machine			Roll drive		10.07.2018	03.07.2018					Beispielbericht							

LAB REPORT

Wind energy system 1
Main Gear
 1704304



Unit ID
 Component
 Current sample number
 OELCHECK GmbH · Postfach 1116 · 83094 Brannenburg
 Example report
 Analysis scope: Wind power analysis kit

Machine type: FL1000
 Manufacturer: Zohren PZ3WF112
 Sample from: Wind turbine - main gear
 Oil brand name: Mobil Mobilgear SHC XBP 320
 Oil quantity in system: 260 l
 Serial number: 231679

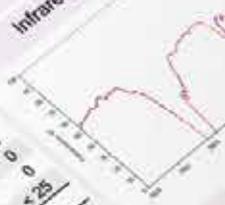


normal

Bottle and Cap



Infrared Spectrum



Diagnosis for the current laboratory values
 There is no significant change of wear metals since the previous sample. The cleanliness class of the oil complies with the requirements. The water content is within the normal range. If no oil change has happened yet, it is possible to continue using the oil under similar operating conditions and under continuation of the usual maintenance schedule. I recommend that you send the next sample at the next service interval or at your regular inspection for trend analysis.
 Dipl.-Ing. Stefan Mitterer (FH)

ANALYSIS RESULTS

LAB NUMBER

SAMPLE RATING

WEAR

CONTAMINATION

OIL CONDITION

ADDITIVES

LAB NUMBER	DATE	STATUS	WEAR	CONTAMINATION	OIL CONDITION	ADDITIVES
1704304	21.12.2017	Current sample	Fe: 54 mg/kg Cr: 1 mg/kg Sn: 0 mg/kg Al: 0 mg/kg Ni: 0 mg/kg Cu: 0 mg/kg Pb: 0 mg/kg Mn: 0 mg/kg	Si: 0 ppm K: 0 % Na: 0 %	Viscosity at 40°C: 321.11 mm²/s Viscosity at 100°C: 38.36 mm²/s Oxidation: 99.79 A/cm IFT index: 0	Ca: 320.22 mg/kg Mg: 36.13 mg/kg B: 160 mg/kg Zn: 99.78 mg/kg P: 0 mg/kg Ba: 0 mg/kg Mo: 0 mg/kg
1704305	28.06.2017	2 previous samples not shown	Fe: 54 mg/kg Cr: 1 mg/kg Sn: 0 mg/kg Al: 0 mg/kg Ni: 0 mg/kg Cu: 0 mg/kg Pb: 0 mg/kg Mn: 0 mg/kg	Si: 0 ppm K: 0 % Na: 0 %	Viscosity at 40°C: 320.22 mm²/s Viscosity at 100°C: 36.13 mm²/s Oxidation: 99.78 A/cm IFT index: 0	Ca: 318.66 mg/kg Mg: 36.58 mg/kg B: 163 mg/kg Zn: 99.83 mg/kg P: 0 mg/kg Ba: 0 mg/kg Mo: 0 mg/kg
1704307	08.12.2016		Fe: 53 mg/kg Cr: 1 mg/kg Sn: 0 mg/kg Al: 0 mg/kg Ni: 0 mg/kg Cu: 0 mg/kg Pb: 0 mg/kg Mn: 0 mg/kg	Si: 0 ppm K: 0 % Na: 0 %	Viscosity at 40°C: 320.22 mm²/s Viscosity at 100°C: 36.13 mm²/s Oxidation: 99.78 A/cm IFT index: 0	Ca: 317.57 mg/kg Mg: 36.35 mg/kg B: 160 mg/kg Zn: 99.83 mg/kg P: 0 mg/kg Ba: 0 mg/kg Mo: 0 mg/kg

TRAFFIC LIGHT SYSTEM

Our traffic light system provides quick orientation within every laboratory report, allowing you to see at first glance which samples have critical values.



The red exclamation mark

Urgent action required.
At least one value is in the critical range.



The yellow “i”

There are changes in individual values on which the tribologist comments and which require ongoing monitoring.



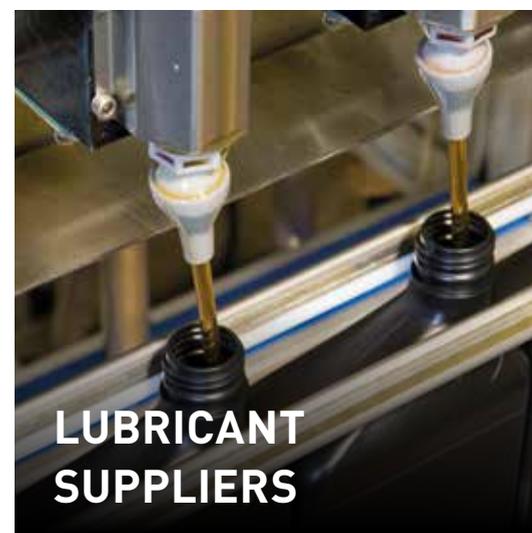
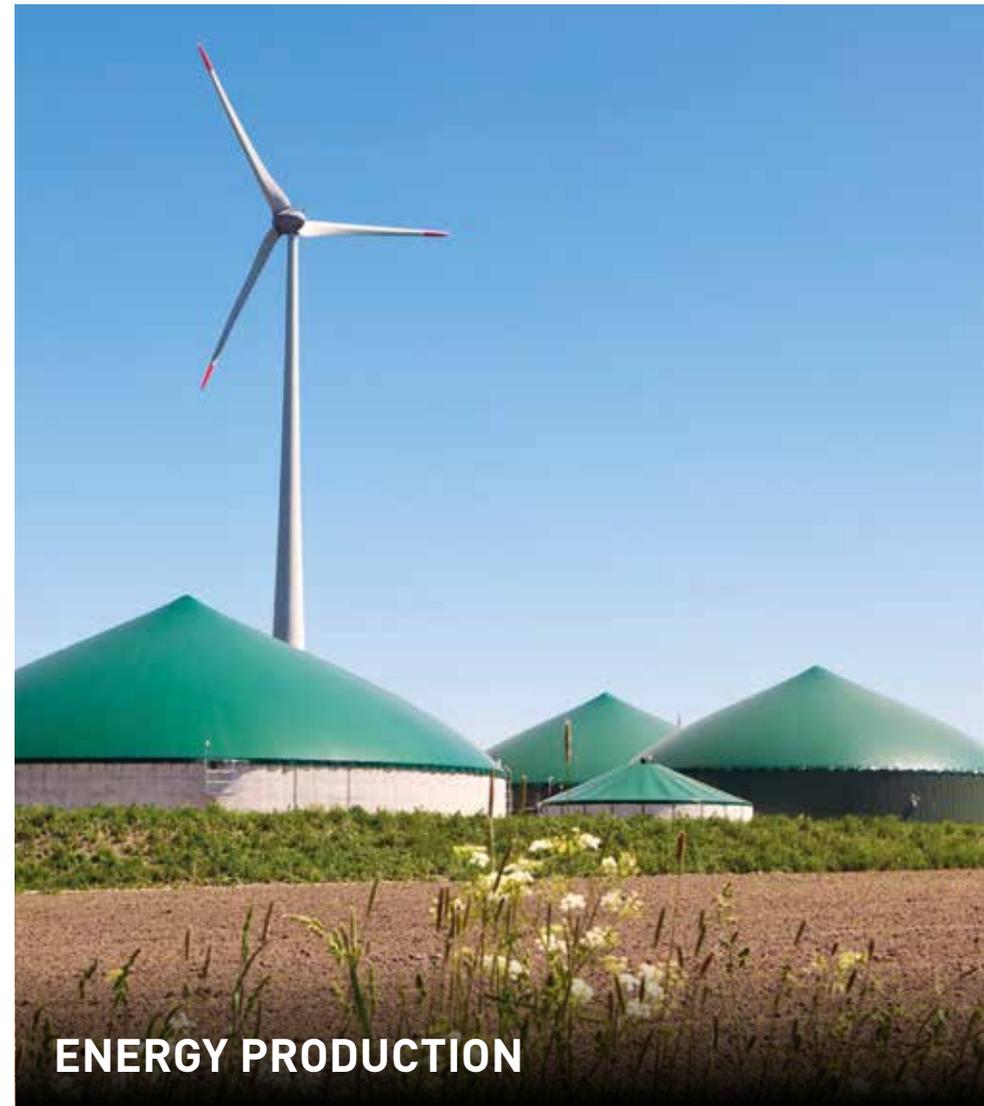
The green tick mark

Everything is in the green range.
Send your next sample as usual.



SPECTRUM OF INDUSTRY

Energy production, transportation, automotive – the spectrum is as diverse as the requirements.





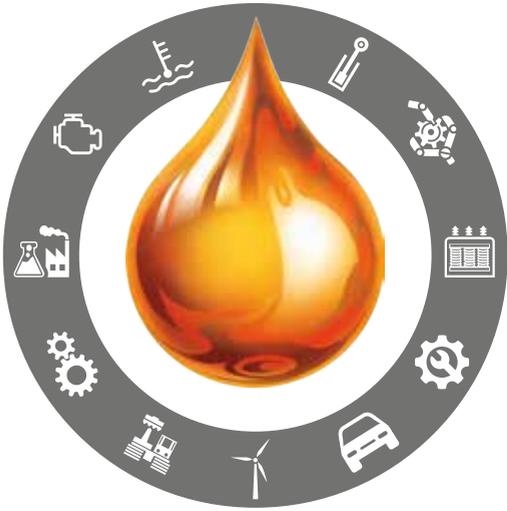
EARTH MOVING



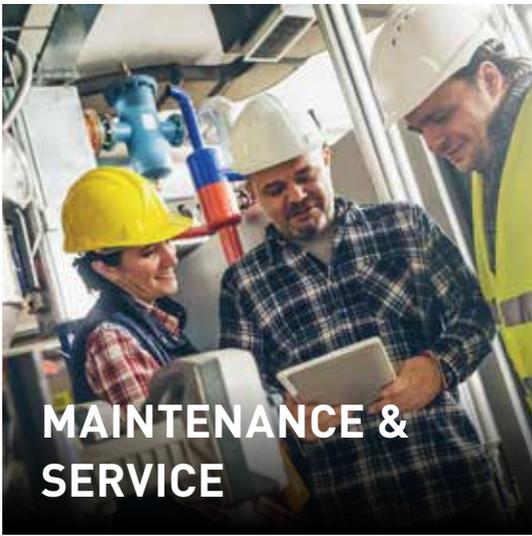
PETROCHEMICAL INDUSTRY



TRANSPORT



MECHANICAL & PLANT ENGINEERING



MAINTENANCE & SERVICE

THE OILDOC ACADEMY

Leading provider of seminars, conferences and online training

The OilDoc Academy has been offering training events at various levels and with different emphases since 1996. Practical knowledge of oil analysis, the correct selection of lubricants, the evaluation of analytical results, as well as proactive maintenance concepts and lubricant management are taught at the events.

Engineers, design engineers, service technicians, and lubricant managers and manufacturers visit the Academy in Brannenburg to attend seminars and workshops, or take part in the one-hour online training sessions from the comfort of their own desks.

The creation of complex lubrication plans as well as a customised consulting and troubleshooting service are also included in the range of services offered by OilDoc.

Every two years, OilDoc organises the OilDoc Conference and Exhibition, the European trade congress for lubricants, maintenance and condition monitoring attended by tribologists, lubricant experts and maintenance engineers from all over the world.



In-house
training



Online
training



Consultation
service



Troubleshooting





MILESTONES

Our path to market leadership

1991



Company founded
by Peter and Barbara
Weismann as
WEARCHECK GmbH

1995



First certification
of the Quality Management
System in accordance with
DIN EN ISO 9001

1996



Move to the new building
at Kerschelweg 28
in Brannenburg

1998



First publication
of OelChecker, which is
issued three times a year.

2006



**Paul Weismann joins the
management board**

**OilDoc GmbH is founded as
a consultation and training
company**

2009



**WEARCHECK becomes
OELCHECK**

**Accreditation of selected test
procedures in accordance with
DIN EN ISO 17025**

2010



**Inauguration of another
building**

Additional office space and
seminar areas for the OilDoc
Academy.

2011



The first OilDoc Conference
takes place in Rosenheim
with over 100 speakers and
more than 450 participants.

2018



Exclusive agents
Establishment of an
international sales structure
with Exclusive Sales Agents

2019



**Construction of a new
building**
with modern office and
conference rooms as well as
a large cafeteria.

...



The future is called OELCHECK!
In the coming years as well, we
will stay at the cutting edge for
you.

1999



First certification
of the Environmental
Management System in
accordance with
DIN EN ISO 14001

2000



**Introduction of the customer
portal**
with online sample entry and
database of all analytical
results

2001



**“Oil Doctor” becomes our
symbol**

2004



Expansion of the building
through the addition of
another laboratory building
and a large seminar room

2013



**Expansion of business
activity in China**
**Rejuvenation of the “Oil
Doctor”**

2015



Customer portal relaunched
**Introduction of QR-Codes for
data collection**

2016



25th company anniversary
More than 30,000 customers
have already benefited from
OELCHECK analyses.

2017



Relaunch of the website
**Introduction of the
OELCHECK-App**

WHAT DRIVES US

We live our values

The values we live by in our daily activities include customer orientation, community, development, reliability, speed, quality and environmental protection.

These values are the cornerstones of our corporate culture. They shape the relationships of our employees with one another and our relationships with our customers.

Achieving maximum customer satisfaction drives us daily and is a major aspect of our shared success.





COMMUNITY

Together, we stand strong

Community is the social glue of a company and ensures that the whole is more than the sum of its parts. Only by working together our employees can grow each day and achieve their best results in terms of quantity as well as quality. Each individual makes their own contribution to the functioning of the company as a whole.

We live by our vision of community through our regular team events and the way in which we work together day-to-day – just as things should be in a family business.





“ In and of himself, a man can accomplish very little; he is like Robinson Crusoe on a desert island. It is only in society that a man’s powers can be called into full activity.

Arthur Schopenhauer (Philosopher)

A blurred background image of industrial machinery, possibly a factory or laboratory setting. A prominent feature is a large, curved metal structure. To the right, there is a control panel or sensor with a glowing red light. The overall color palette is dominated by blue and grey tones.

“ Anyone who does what he already can always remains what he already is. ”

Henry Ford (Entrepreneur)





RELIABILITY, QUALITY AND SPEED

This is what matters



All samples in our all-inclusive kits are analysed and assessed by the following work day.

This is something our customers can always rely on.

But we do not limit ourselves to keeping this promise. As well as guaranteeing rapid processing, an all-inclusive kit from OELCHECK always ensures high-quality results thanks to our experienced chemists and appropriate comments by our tribologists, who are supported by the latest technologies.

In addition, queries regarding laboratory reports, analysis procedures or our all-inclusive kits always receive a prompt and personal expert answer.



Things that were done by hand 10 years ago...

It is not easy to become the best at something.
However, it's even more difficult to stay the best.
It requires ongoing change and continuous learning.

As Europe's leading laboratory for lubricant and operating fluid analyses,
therefore, we strive to constantly improve our services.

This is because we wish to continue to inspire our customers with the latest
innovations and prove to them over and over again that we are the technological leader.

Within our company, we also place a great deal of emphasis on professional development and
the latest hardware and software, as well as efficiently equipping our laboratories and offices.

CHANGE

“ Paths are created by walking them. ”

Franz Kafka (Writer)

...are now fully automated using robots.



CUSTOMER FOCUS

For us, the customer always comes first



Everyday queries and customer requests, as well as order processing, are our top priority

Because only with excellent service we can inspire long-term enthusiasm in our customers for our services. Regular participation in trade fairs, intensive market observation and close contact with our customers allow us to continually adapt our services to changing technical circumstances and our customers' requirements.





QUALITY IS WHAT COUNTS

Quality is what our customers want

Quality is our top priority when analysing all oil, grease, coolant and operating fluid samples.

Only by performing at our best – every single day – can we ensure that our customers are always happy to order their lubrication and operating fluid analyses from us again, whether for trend analyses, early detection, clarification of damages or new machinery.

Our well-trained, highly motivated employees and the modern equipment on our premises allow us to achieve high levels of quality. Our quality management system is focused on avoiding errors and continually improving the quality of our services.





A photograph of two men standing outdoors in a scenic mountainous landscape. The man on the left is wearing a dark blue suit, a light blue shirt, and a red striped tie. He has short brown hair and is wearing glasses. The man on the right is wearing a light blue suit, a light blue and white striped shirt, and a dark blue bow tie. He has short blonde hair and a light beard. They are both smiling. The background features lush green hills and mountains under a clear blue sky. A red semi-transparent box is overlaid on the bottom left of the image, containing a quote and the name of the speaker.

“ OELCHECK has been consistently expanding since 1991. But still more visions are remaining. Together with our employees, we make these visions a reality and constantly offer our customers new services from which they can benefit directly. ”

Barbara Weismann, Managing Director







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