



**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.

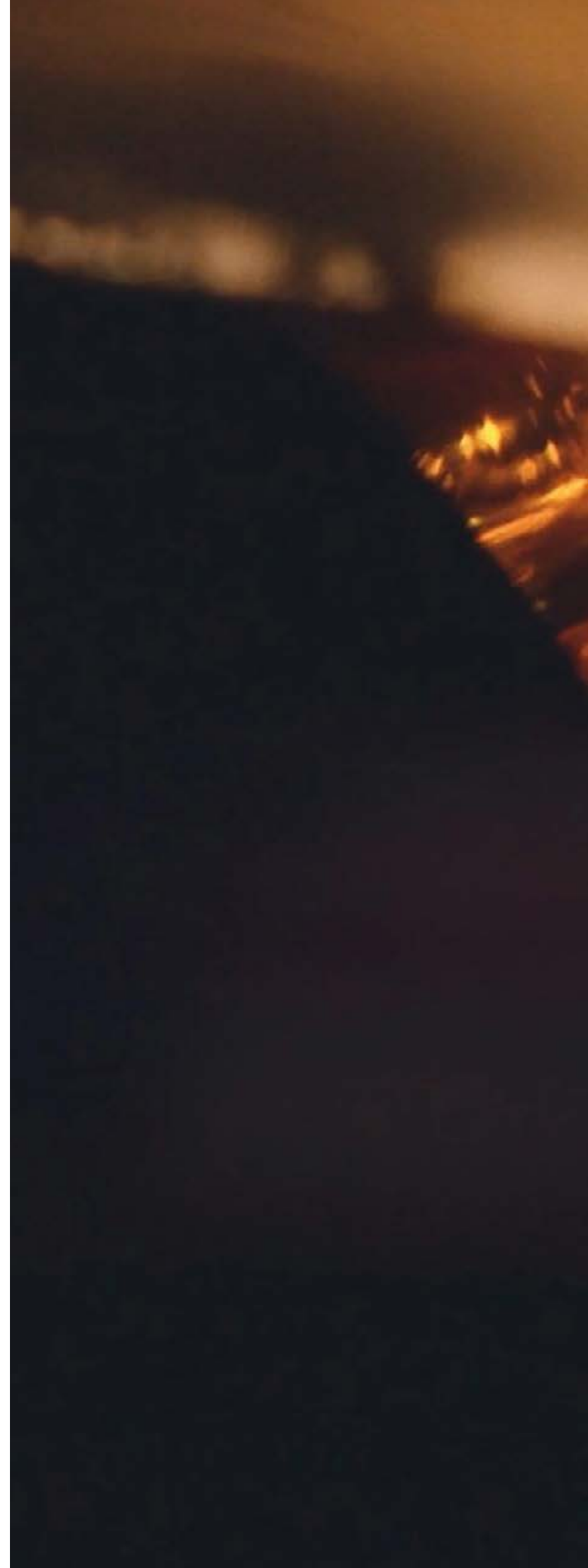
A high-quality, clean, unmixed lubricant is essential to optimum and lasting performance.

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.

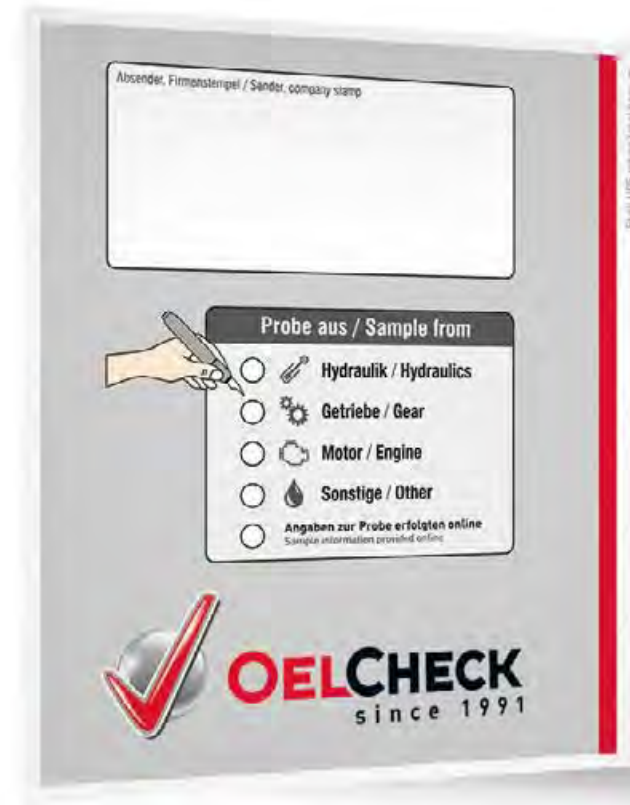
With the OELCHECK analysis kits, the samples can be taken and shipped cleanly, quickly and easily.

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.



SHIP TO  
 WWW.OELCHECK.DE  
 83098 BRANNENE

**UPS STANDARD**  
 TRACKING #: 1Z H5X 834 68 5

BILLING: P/P  
 REF 4:Call 0100 682063 for ret

**PROBENBEGLEITSCHIN**  
Sample Information Form (SIF)

**Probe** Sample

**Analysenumfang**  
Test scope

Zeit sparen! QR-Code scannen, Probe online eingeben  
 Save time! Scan QR code, enter sample information  
[www.lab.rogers](http://www.lab.rogers)

Angaben zur Probe oder Öltypen unter Sample Information, Produkt für die

**Grund für die Analyse** Reason for analysis

Routinekontrolle (ins. Intervall)  Reaktion für Analyse  
 Trend, vorläufige Labordiagnose, Ölverschleiss  
 Schaden, Ölmenge  Sonstiges Öl, Öltypen

Bei Wechsel der Ölart: Vorher eingesetztes / frakt. Öl/Lites Öl  
 When oil type changes: previously used / replaced oil


<b>Probenentnahme</b> Sample taken	<b>Letzter Ölwechsel</b> Oil changed	<b>Nachfüllmenge</b> Top up volume
TT: 10/11/12	TT: 10/11/12	...

<b>Öleinsatzzeit</b> Oil in use	<b>Gesamtlaufzeit</b> Total operating time	<input type="checkbox"/> km <input type="checkbox"/> Stunden <input type="checkbox"/> Monate <input type="checkbox"/> Jahre
...	...	...

Öl gewechselt  
Oil changed  
 Ja/Yes  Vor Befüllen / Nach Arbeit  
 Nein/No  Probenentnahme / Sample

**Ölhersteller** Oil manufacturer  
**Ölbezeichnung** Oil brand name  
**Viskosität** Viscosity SAE J300

Barcode für Probe (1234567)



3 the diesen Bar code für das Probe (1234567) scannen  
 Please scan the barcode for the sample (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](http://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



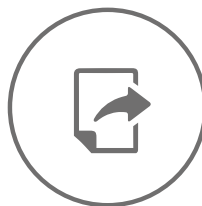
Display & compare



Sample status



Translation



Export



Trends





Q Alle Bereiche



Merkmal	Bewertung	Labernr.	Bezeichnung	Komponente	Trend	Untersucht	Erstmontiert	Schmierstoff	Laufzeit	Laufzeit	Ölmenge	Firma	Einl	h	i	Abteilung	Probe-Info	
1700066			Ackerschlepper	Getriebe-Hydraulik	2	08.08.2018	02.09.2018	Tean Hytranst 15W-40	110	1610	85	Beispielbericht					Geräte-Hydraul	
1700947			Baummaschine	Dieselmotor		04.08.2018	28.07.2018	Motorex MC Plus 10W-40	427	4427	43	Beispielbericht					Dieselmotor	
1700948			Zylinderrollenlager	Fettschmierung		01.08.2018	09.04.2018	BP Energrase LS-EP 2	3	3	200	Beispielbericht		M	a	B	Fettschmierung	
1700907			Walzenlagerung	Schmierfett		01.08.2018	08.06.2018	BP Energrase LS-EP 2	1	L	320	Beispielbericht					Schmierfett	
1704393			Lokomotive	Kühlmittel		31.07.2018	20.07.2018	Clariant Antifrogen W			305233	Beispielbericht					Kühlmittel	
1704802			VOKTRÜPWMAÜWOWW	Turbine	1	24.07.2018	19.07.2018	Addinol Turbine Oil MT 44	444		1400	Beispielbericht					Turbine	
1704803			VOKTRÜPWMAÜWOWW	Turbine	2	24.07.2018	19.07.2018	Addinol Turbine Oil MT 44	444		1400	Beispielbericht					Turbine	
1704808			VOKTRÜPWMAÜWOWW	Turbine	4	24.07.2018	20.07.2018	Shell Turbo T 44	71920		2800	Beispielbericht					Schmieröl	
1704809			Wasserturbine	Schmieröl	3	19.07.2018	17.07.2018	Addinol OMO HD LS Extra PLUS	1420	4864	200	Beispielbericht					Biogasmotor	
1704809			Wasserturbine	Schmieröl	3	19.07.2018	17.07.2018	Addinol OMO HD LS Extra PLUS	1420	4864	200	Beispielbericht					Kühlmittel	
1704809			Wasserturbine	Schmieröl	3	19.07.2018	17.07.2018	Addinol OMO HD LS Extra PLUS	1420	4864	200	Beispielbericht					Hydraulik	
1704289			Biogasmotor	Osmotor		18.07.2018	16.07.2018	Addinol Antifreeze Extra 40/40	2492	43727	302	Beispielbericht					Turbine	
1704390			Gasmotor	Kühlmittel		18.07.2018	09.07.2018	Esso HLP 40 AF	7		1400	Beispielbericht					Hauptmaschine 1	
1700922			Spritzpumpmaschine	Hydraulik		16.07.2018	28.04.2018	Addinol Turbine Oil MT 44	93710	93710	28000	Beispielbericht					WKA-Hauptgetrie	
1704804			VOKTRÜPWMAÜWOWW	Turbine		12.07.2018	04.07.2018	BP Energr OE-HT 90			700	Beispielbericht					Industrial transm	
1700938			Schiff Hauptmaschine	2-Teil-Schiffdieselmotor, Sys	3	12.07.2018	16.07.2018	Castrol Optigear Synthetic A 320	1940	49019	6550	Beispielbericht					Blattlager, fetige	
1704298			Windenergieanlage 2	Hauptgetriebe	8	12.07.2018	03.07.2018	Mobil Mobilgear 600 XP 320	26189	70994		Beispielbericht					Industrieantriebe	
1704843			Mühlengeräte	Blattlager, fettgeschmiert	8	12.07.2018	10.06.2018	Mobil Mobilton SMC 640				Beispielbericht					Fahrgestelle	
1704322			Windenergieanlage 1	Industrieantriebe	3	11.07.2018	30.06.2018	Kyodo Yuahi TMO 100	900	1127	10	Beispielbericht					Ergänzmotor	
1702926			ABB TYPICAL REPORT	Fahrgestelle	3	10.07.2018	03.07.2018	Shell 80W-140	2450	3994	284	Beispielbericht					Dieselmotor	
1700814			Baummaschine	Fahrgestelle	3	10.07.2018	07.07.2018	Mobil Pegasus 1	370	2845	5.5	Beispielbericht					Pflanzelmotor	
1700754			BHKW	Ergänzmotor	1	10.07.2018	07.07.2018	Castrol TXT longlife 4-5W-30	156	14817	27	Beispielbericht					Hauptmaschine 2	
1700689			PKW	Dieselmotor	1	09.07.2018	03.07.2018	Tectrel MethaFlaxx ZS Plus				Beispielbericht					Antrieb	
1700750			BHKW	Pflanzelmotor	2	04.07.2018	25.06.2018	Mobil Mobilgear 510				Beispielbericht					Getriebe	
1700922			Schiff Hauptmaschine	2-Teil-Schiffdieselmotor, Zyl	3	04.07.2018	28.04.2018	Shell Merlina 100	14211	14211	1300	Beispielbericht					Pflanzelmotor	
1700870			Rohrmühle	Hülllager	1	04.07.2018	03.07.2018	Castrol Optigear OM 320	3	7	800	Beispielbericht					Hydraulik	
1704842			Olengeräte	Getriebe	2	04.07.2018	24.03.2018	SAE 15W-40	603	1448	48	Beispielbericht					Hydraulik	
1700443			Nutzfahrzeug (LKW)	Pflanzelmotor	1	02.07.2018	18.04.2018	Lisherr Hydraulik H1	3000	3000	200	Beispielbericht					Wärmeerägeröl	
1700912			Hydraulikbagger	Hydraulik	1	02.07.2018	18.04.2018	SAE 10W-40	3000	3000	210	Beispielbericht					Hydraulik	
1700569			Landmaschine	Hydraulik	1	27.06.2018	22.04.2018	BP Transcol N	1	8	42000	Beispielbericht					Schmear- und Ste	
1704848			Thermol Zementwerk	Wärmeerägeröl	1	27.06.2018	25.06.2018	Shell Tellus 46	8.5	44708	5000	Beispielbericht					Zündstrahlmotor	
1700767			Unformpresse	Hydraulik	1	24.04.2018	19.04.2018	Mobil DTE 798	10299	10299	600	Beispielbericht					Radlagerfett	
1701072			Dampfturbine	Schmier- und Stäueröl	1	24.04.2018	19.04.2018	Tectrel MethaFlaxx ZS	300	15043	44	Beispielbericht						
1700742			BHKW	Zündstrahlmotor	2	25.04.2018	18.04.2018	Schmieröl KP 2 K-30 L-Komplex			125433	210	Beispielbericht					
1700793			Nutzfahrzeug (LKW)	Radlagerfett														

# 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:  
Manufacturer:  
Sample from:  
Oil brand name:  
Oil quantity in system:

FL1000  
Zellern PZ3WF112  
Wind turbine - main gear  
Mobil Mobilgear SHC XMP 320  
280 l

Serial number: 251079

Sample Rating

**normal**  
Bottle and Cap



**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  
Date tested  
Date of sample taken  
Date of last oil change  
Top-up since change  
Operating time since change  
Total operating time  
Oil changed

### WEAR

Iron  
Chrom  
Tin  
Aluminum  
Nickel  
Copper  
Lead

### CONTAMINATION

Silicon  
Potassium  
Sodium  
Water K. F.  
Water

### OIL CONDITION

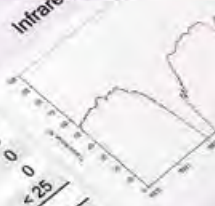
Viscosity at 40°C  
Viscosity at 100°C  
Viscosity index  
Oxidation  
IR Index

### ADDITIVES

Calcium  
Zinc  
Phosphorus  
Sulfur

Parameter	Current sample 1704304	1704305	1704306	1704307
Date tested	07.06.2018	21.12.2017	29.06.2017	21.12.2016
Date of sample taken	29.05.2018	14.12.2017	21.06.2017	08.12.2016
Date of last oil change	-	-	-	-
Top-up since change	-	-	-	-
Operating time since change	-	-	-	-
Total operating time	-	-	-	-
Oil changed	-	-	-	-
Iron	138011	no	19147480	no
Chrom	54	53	53	125225
Tin	<25	<25	<25	no
Aluminum	133	133	133	no
Nickel	317.57	317.57	317.57	317.57
Copper	36.35	36.35	36.35	36.35
Lead	163	163	163	163
Manganese	99.83	99.83	99.83	99.83
PQ index	0	0	0	0
Silicon	99.78	99.78	99.78	99.78
Potassium	321.11	321.11	321.11	321.11
Sodium	36.56	36.56	36.56	36.56
Water K. F.	162	162	162	162
Water	99.78	99.78	99.78	99.78
Viscosity at 40°C	320.22	320.22	320.22	320.22
Viscosity at 100°C	36.13	36.13	36.13	36.13
Viscosity index	160	160	160	160
Oxidation	0	0	0	0
IR Index	10	10	10	10
Calcium	412	412	412	412
Zinc	0	0	0	0
Phosphorus	2	2	2	2
Sulfur	3247	3247	3247	3247

Infrared Spectrum



# 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.



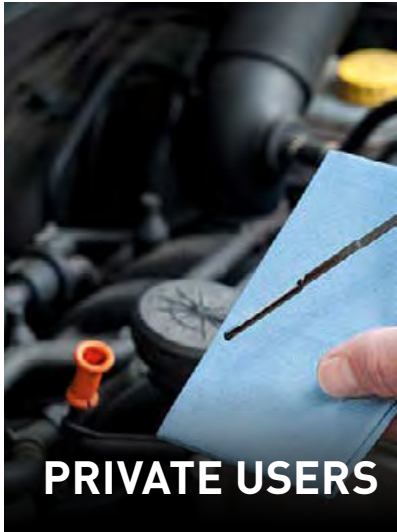
## The green tick mark

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**



**MAINTENANCE &  
SERVICE**



**MECHANICAL & PLANT ENGINEERING**

# 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





**OilDoc**  
**Academy**



# MILESTONES

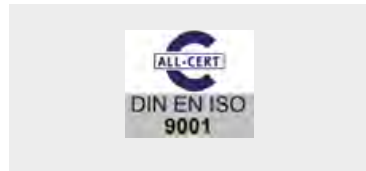
## Our path to market leadership

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.

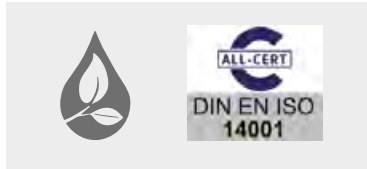
...



**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



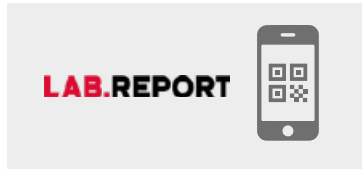
**Expansion of the building**  
through the addition of  
another laboratory building  
and a large seminar room

# 2013



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

# 2015



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

# 2016



**25<sup>th</sup> 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.





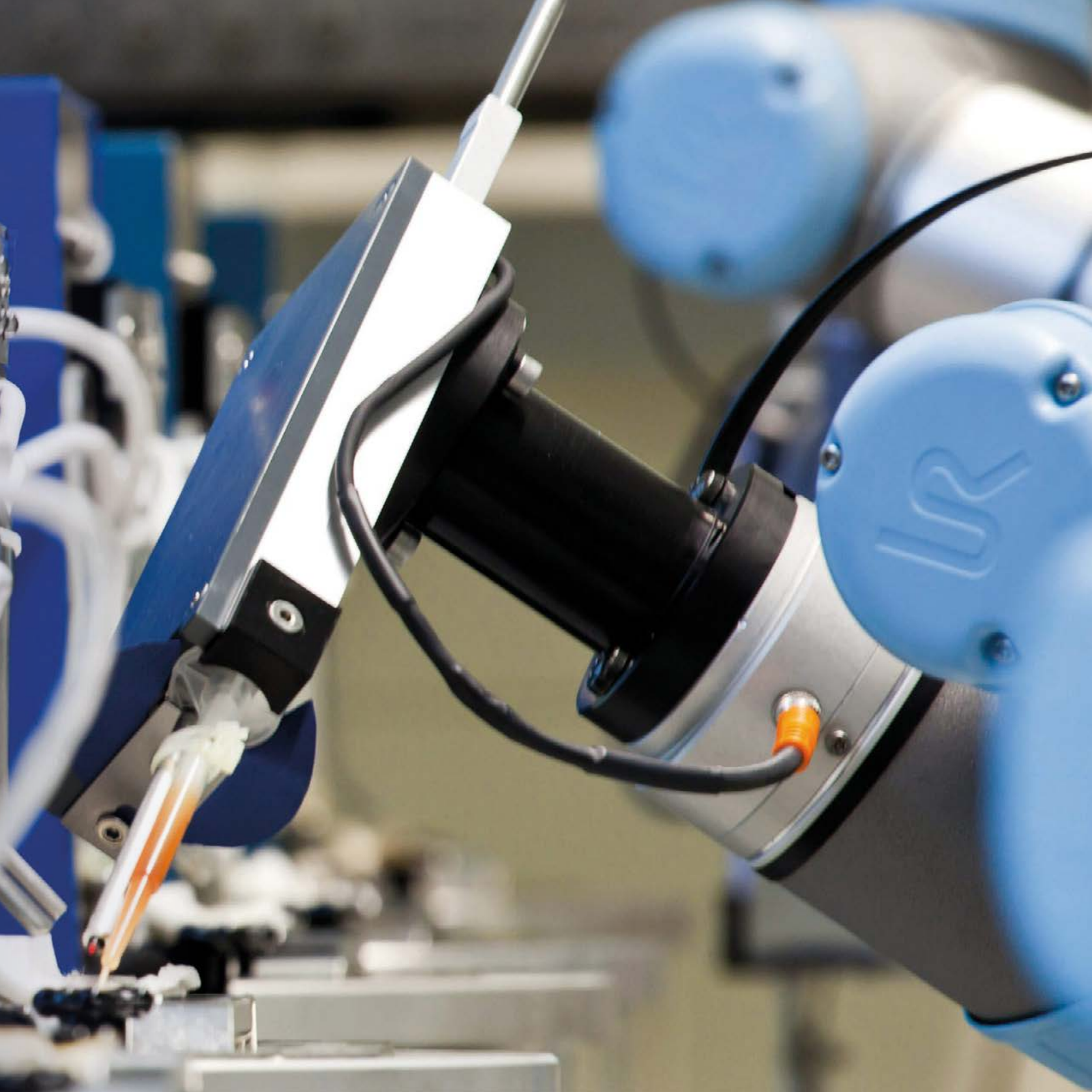
“ In and of himself, a man can accomplish very little; he is like Robinson Crusoe on a desert island. It is only in society that a man’s powers can be called into full activity. ”

Arthur Schopenhauer (Philosopher)

A blurred background image of industrial machinery, possibly a robotic arm or assembly line, with a prominent red light on the right side. The overall color palette is dominated by blue and white, with the red light providing a focal point.

“ 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.



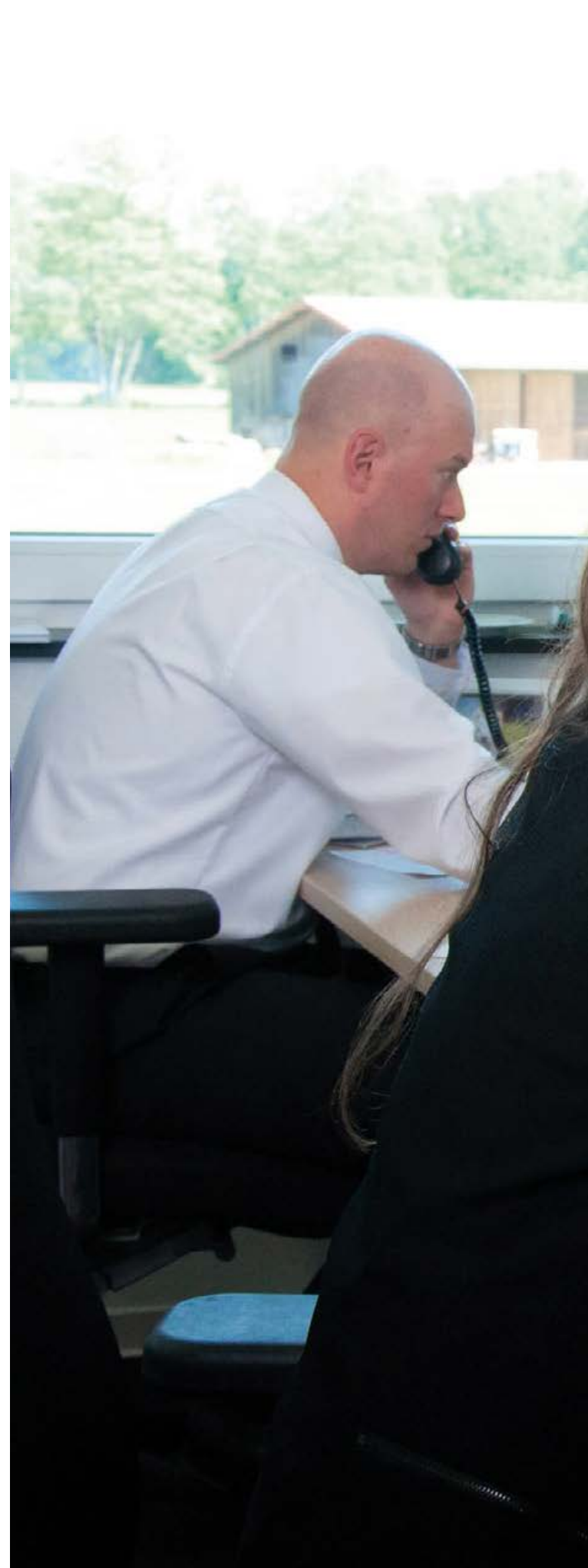
# CUSTOMER FOCUS

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

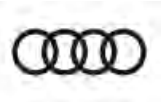
Quality is our top priority when analysing all oil, grease, coolant and operating fluid samples.

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 brown hair and a slight beard. They are both smiling. The background shows 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**







**Our location in the  
heart of Europe**



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