



FILTRATION TECHNOLOGY

2003

STAUFF



**STAUFF Check Oil Analysis & Oil Sampling Kit**



Quality and Service  
Worldwide

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**Stauff Filtration Technology**

Stauff Filtration Technology offers a complete range of filtration products and services that will provide the system designer or user with the highest level of contamination control demanded by today's most sophisticated applications. Products include pressure filters, return line filters, elements, spin on filters suction strainers, and filler breathers for various hydraulic, lubrication and fuel oils.

Stauff has the technical expertise to provide superior filter element designs for the Stauff original filter housings and also for the interchange element market. Stauff manufactures more than 10,000 different elements. Many of these are designed to fit into filter housings produced by other companies while maintaining or surpassing the original performance.

The "Stauff Contamination Control Program" includes the diagnostic services including fluid sampling and laser particle counting products needed to monitor the system contamination level.

Stauff, through its global network of wholly owned companies and technically qualified distributors, is ideally placed to assist its customers in the total contamination process providing a well balanced filtration solution.

**STAUFF Check Oil Analysis & Oil Sampling Kits**

**Stauff Chek Oil Analysis STFC-01**  
 Technical Data & Ordering Information  
 Reports

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**Oil Sampling Kit SFSK-01**

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**Distributors and warehouses  
 in all industrial countries.**

Fluid analysis is a crucial component of any oil management program. Early detection of potential problems can prevent costly repairs and downtime. Stauff Check Oil Analysis Kits provide a complete laboratory report for your sample.



**Ordering Information**

Part Number	Description
STFC-10	Carton of 10 bottles
STFC-01	Single test bottle

The Stauff Check Fluid Analysis Kit includes complete laboratory analysis of your oil sample as part of the initial purchase price of the kit. Each kit includes an ultra-clean bottle with pre-addressed mailer and sample information sheet.

**Test carried out include:**

- Spectrographic Analysis – 19 elements for wear metals, contaminants and additives
- Viscosity – the kinematic viscosity reported in centistokes (cSt).
- Visible Debris Analysis – microscopic examination of any visible debris in the sample
- Total Acid Number (TAN)
- Particle Count – to determine the cleanliness of the system
- Karl Fisher (KF) – to determine the exact concentration of water present in the oil



# STAUFF Check Oil Analysis STFC

## Oil Analysis Reports

In addition to a printed report, the Stauff Check Fluid Analysis service includes access to your test reports on the Internet.

Your reports are hosted on a secure server that you can access with your user ID and password. All that is required is a connection to the Internet and a compatible browser. You can view all your current and previous test results for all of the machines you are monitoring. Track the effectiveness of your oil management program and generate detailed management summary reports.

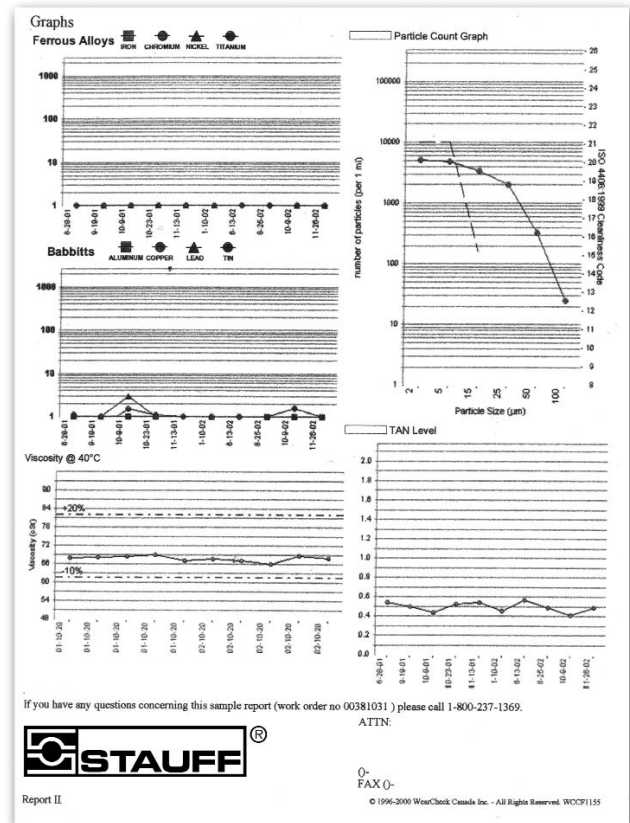
## Review Oil Analysis Results

View oil analysis sample reports, test results, trending graphs and recommendations. Access data that was traditionally accessible only to the laboratory, including, IR spectra, TAN and TBN titration plots, as well as, GC chromatograms.

Enjoy the best possible turn-around of your oil analysis samples by viewing data on-line and in real-time with your oil analysis laboratory.

Improve time management by receiving e-mail alerts notifying you when recently completed samples indicate an equipment problem where corrective action is required.

INDUSTRIAL OIL ANALYSIS REPORT		CONTAMINATION OIL CONDITION WEAR		ABNORMAL ABNORMAL NORMAL	
CENTRAL 10 BAR - DIRTY - Hydraulic System					
Unit Maked	: 10 BAR SECTION	Date Rec'd	: Nov 27, 2002	Sample Date	: Nov 26, 2002
Unit Model	: {n/a}	Serial No.	: {n/a}	Time on Unit	: 0 hrs
Comp Maked	: {n/a}	Cust. Ref No.	: {n/a}	Time on Oil	: 0 hrs
Comp Model	: {n/a}	Stub No.	: ST-001731	Time on Filter	: 0 hrs
<b>RECOMMENDATION</b> Diagnostician: Doug Bogart					
We recommend you service the filters on this component. Resample at the next service interval to monitor.					
<b>CONTAMINATION</b>					
The system cleanliness is above the acceptable limit for your target ISO 4406 cleanliness code. There is a high amount of particulates (5 to >100 microns in size) present in the oil. Light concentration of visible dirt/debris present in the oil.					
Sample Date	06/13/02	08/25/02	10/09/02	Current	Abn
Silicon	1.0	1.2	1.7	0.0	---
Potassium	5.2	0.0	6.0	6.1	---
Water (%)	0.008	0.008	0.007	0.036	---
>5µm	5305	8280	6785	4740	1300
>15µm	415	671	371	3341	160
>25µm	69	98	41	2015	20
>50µm	5	7	3	324	3
>100µm	0	0	0	25	0
ISO 4406	21/20/16	21/20/17	21/20/16	20/19/19	20/17/14
<b>OIL CONDITION</b>					
Sample Date	06/13/02	08/25/02	10/09/02	Current	Base
Boron	3.6	3.7	3.1	3.4	---
Barium	0.0	0.0	0.0	0.0	---
Calcium	41	50	45	37	---
Magnesium	0.7	0.9	0.0	0.0	---
Molybdenum	0.0	0.1	0.8	0.0	---
Sodium	1.7	1.4	0.0	0.4	---
Phosphorus	304	384	332	353	---
Sulfur	6261	8930	7538	8708	---
Zinc	398	468	415	437	---
Visc@40°C	66.65	65.81	68.44	67.61	68
Visc@100°C	---	---	---	---	7.6
Oxidation	---	---	---	---	---
TAN	0.565	0.487	0.413	0.488	---
TBN	---	---	---	---	---
<b>WEAR</b>					
Sample Date	06/13/02	08/25/02	10/09/02	Current	Abn
Iron	0.5	0.7	0.5	0.3	---
Nickel	0.2	0.6	0.0	0.0	---
Chromium	0.0	0.0	0.0	0.0	---
Titanium	0.0	0.0	0.0	0.0	---
Copper	0.7	1.0	0.7	0.2	---
Aluminum	0.1	0.0	0.0	0.0	---
Tin	0.0	0.0	1.6	0.0	---
Lead	0.1	0.0	0.0	0.0	---
Silver	0.0	0.0	0.0	0.0	---
Report ID	© 1996-2000 Wtec/Check Canada Inc. - All Rights Reserved. WCCF1155				



## Oil Sampling Kits

- Contains vacuum pump for drawing samples of oil from equipment
- 1 m (3.28 ft.) hose for insertion into tank
- Two Sample Bottles
- Stauff Test Points and Adaptor allows oil sample to be taken from any Stauff Test Points

### Oil Sampling Kit SFSK-1



#### Contains

- 1 x Fluid Sample Pump FSP-38
- 1 x Hose adaptor SHA 20-5,5mm
- 1m (3.28 ft) Push on 1/4" hose
- 1 x SMK 20-1/4" NPT-VD
- 1 x SMK 20-7/16" UNF-VE
- 2 x Sample Bottles STFC - 01





THIS IS STAUFF

RESPONSE AND FLEXIBILITY • COMPETENT SERVICE • PROMPT DELIVERY •  
ENSURED QUALITY • FRIENDLY SERVICE • PROVEN IN PRACTICE



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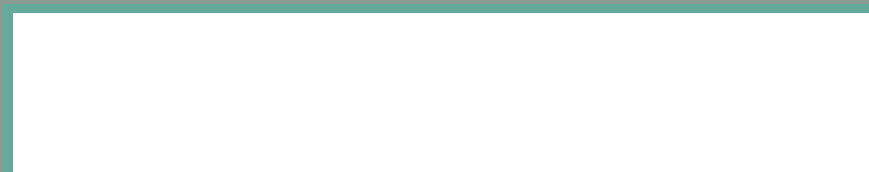


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Globally available through distributors in all industrial countries



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