

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



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

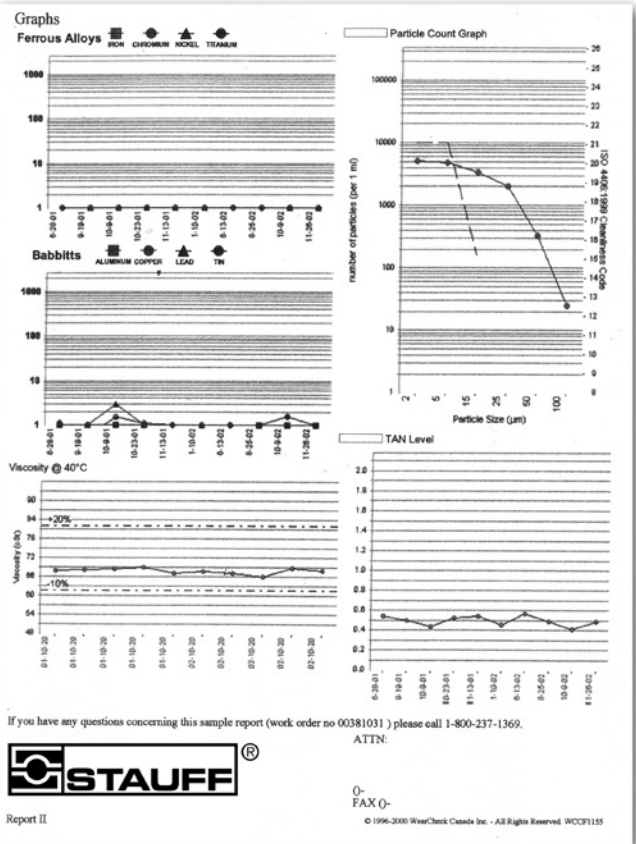
View oil analysis sample reports, test results, trending graphs and recommendations. Access data that was traditionally accessible only to the laboratory, including, IR spectra, TAN and TBN titration plots, as well as, GC chromatograms.

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.

DIAGNOSTICS

IND STAFF FILTRATION TECHNOLOGY INDUSTRIAL OIL ANALYSIS REPORT		CONTAMINATION OIL CONDITION WEAR		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				
RECOMMENDATION Diagnostician: Doug Bogart						
We recommend you service the filters on this component. Resample at the next service interval to monitor.						
CONTAMINATION						
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	---
	ISO 4406	5305	8280	6785	4740	1300
	>5um	415	671	371	3341	160
	>25um	69	98	41	2015	20
	>50um	5	7	3	324	3
	>100um	0	0	0	25	0
	ISO 4406	21/20/16	21/20/17	21/20/16	20/19/19	20/17/14
OIL CONDITION						
Oil Type: 2000 LTR of CASTROL HYPEN AWS HYDRAULIC 68	Sample Date	06/13/02	08/25/02	10/09/02	Current	Base
The condition of the oil is acceptable for the time in service. Sample is hazy in appearance.	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	---	---	---	---	---
	ITAN	0.565	0.487	0.413	0.488	---
	ITBN	---	---	---	---	---
WEAR						
All component wear rates are normal.	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	---



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

