

# CENT- Controlled Engineering and Tribological Services

**MOVING YOUR WORLD**



**Let FUCHS provide your Company's Preventive / Predictive Maintenance Program with CENT Fluid Analysis for Hydraulic, Engine, Gearbox and Power Transmission applications.**

## What can our Fluid Analysis program do for your operations?

- Increase your production by identifying potential problems that could lead to catastrophic failures causing unscheduled downtime
- Reduce your maintenance costs by early detection of potential failures which can be repaired in the early stages and during scheduled maintenance activities
- Reduce lubricant costs by extending oil change intervals from calendar based to condition based
- Extend equipment life by trending wear debris and insuring oil cleanliness



**10 x 3 oz sample jar and mailer  
10 x Sample information form  
10 x 54" length of 5/16" plastic tubing**

## How does Trending Analysis work?

- By trending representative oil samples from reservoirs at regularly scheduled intervals, over an extended period of time, and monitoring the data you can determine three major items. The condition of the lubricant, amount of contamination and most importantly, the condition of the equipment.

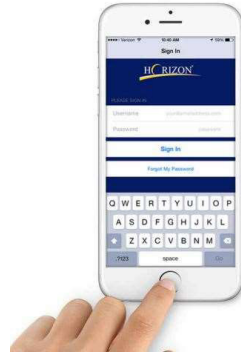
Part Number (SKU Number)	Description	Test Available
<b>WNDCNT</b> (80166100080)	Wind Cent Prepaid	Elemental analysis, viscosity, acid number, particle count, Karl Fischer water
<b>CENTP</b> (80044900080)	Cent Prepaid	Elemental analysis, fuel dilution and soot (for engines), water estimate (crackle), viscosity, particle quantifier (ferrous density) added for gearboxes, auto trans, bearings
<b>CFLP</b> (80171800080)	Food Lube Cent	Elemental analysis, fuel dilution and soot (diesel engines), water estimate, viscosity, base number for gasoline engines, acid number for non-engines, Karl Fischer water determination
<b>CMBC+P</b> (80045100080)	Combo Cent Plus	Elemental analysis, fuel dilution and soot (engines), water estimate, viscosity, base number (engines), particle quantifier (engines) Hydraulics, compressors, auto trans – acid number, particle count/ISO code Bearings get particle quantifier rather than particle count
<b>ISOC+P</b> (80046700080)	ISO Cent Plus	Engines: Viscosity, Acid number, particle quantifier, pH Non-engines: Viscosity, acid number, particle count/ISO code, pH (gearboxes get particle quantifier rather than particle count)
<b>ISOCTP</b> (80046100080)	ISO Cent	Viscosity, Particle Count/ISO Code Engines, gearboxes, bearings get Particle Quantifier rather than Particle Count
<b>MNCNTP</b> (80235600080)	Mining Cent	Elemental analysis, viscosity at both 40°C and 100°C, viscosity index, Karl Fischer Particle Count (hydraulics, compressors) Particle Quantifier (other component types)
<b>ISOCWG</b> (80156000080)	Water Glycol Cent	Appearance, Elemental Metals by ICP, Particle Count, viscosity at both 40°C, Water by Karl Fischer, pH

# CENT- Controlled Engineering and Tribological Services

*It's Not Just Fluid Analysis, It's What We Do With It.*

## Manage your Analysis reports online

- You can utilize the online reporting system "Horizon" to obtain sample test results as they are completed
- You can review all of the trending data to help determine if any corrective actions should be taken
- You can determine if the corrective actions are providing positive results
- You can schedule oil change outs based on condition rather than calendar intervals



Account Information		Component Information		Sample Information	
Account Number: CENLUB001	Company Name: FUCHS LUBRICANTS	Component ID: 31589	Secondary ID:	Sample Number: 104021104	Lab Number: 104021104
Address: 14845 VIA AVENUE	City: LANSING MI 48206	Manufacturer: HYDRAULIC WATMAN/COX	Medium: Information Required	Lab Location: Michigan	DATA PREPARED BY:
Phone Number: 313-333-8900	Country: USA	Application: HYDRAULIC	Filter Type: Information Required	Sample Date: 12-Feb-2012	Received: 12-Feb-2012
		Pump Location:	Product Manufacturer: Information Required	Product Name: Information Required	Product Part: Information Required
			Product Part: Information Required	Product Part: Information Required	Product Part: Information Required

Component ID	Secondary ID	Sample ID	Sample Date	Sample Type	Sample Location	Sample Volume	Sample Temp	Sample Pressure	Sample Viscosity	Sample Density	Sample Color	Sample Smell	Sample Taste	Sample Sound	Sample Sight	Sample Touch	Sample Other
31589		104021104	12-Feb-2012	HYDRAULIC	MI	100ml	150°F	100psi	150cSt	0.85g/cm3	Light Brown	Neutral	None	None	None	None	None

Sample of Lubricant Analysis Report

## Customer Support – Available Training

- Support in determining what equipment should be part of your sample program
- Support in how to correctly take representative oil samples consistently
- Support in reading and understanding the test results
- Support in determining next steps or corrective actions

## CENT Dashboard

The dashboard includes the following sections:

- Alerts - Action Required:** 357 Samples on Hold - Information Needed.
- Menu Shortcuts:** 7842 Unviewed Sample Reports - Severities 3, 4; 65138 Recent Sample Reports - Last 60 Days; 12 Recent Sample Reports with Messages; 7087 Samples with Open Actions.
- Sample Report Lookup:** Fields for Lab Number (1-123456), Account Name (12345A54321), Track My Sample, and Component ID.
- Unviewed Results by Severity - Past 60 Days:** Pie chart showing 21,776 (84%), 22,458 (84%), 12,364 (20%), 3,130 (6%), and 3,778 (6%).
- Top Repeat Severities - Last 12 Months:** Table listing components like CHEL LEFT OILWATER POT and TYRRELT TO HYDRAULIC SYS.
- Components Due or Overdue:** Table listing component IDs and last sample dates.
- Severity Summary Pie Chart - Last Month:** Pie chart showing 10,222 (34%), 1,498 (5%), 5,988 (20%), 3,130 (6%), and 3,724 (6%).
- Severity Summary Trend - Last 3 Months:** Line graph showing severity trends over time.
- Top 5 Accounts by Sample Volume:** Bar chart showing SCHUIERBO., J.P. PARSONS., IJ SERVICES., IJ SERVICES., and SCHUIERBO.
- Components on Asset Watch:** Empty table with message "No components on Asset Watch".
- Shipping & Processing Time - Last 3 Months:** Bar chart showing shipping and processing days.
- Samples Submitted / Not Yet Received:** Table listing component IDs, secondary IDs, and dates.

To order your test kits, contact a FUCHS representative today!

FUCHS LUBRICANTS Co.  
Phone + 1 708-333-8900  
E-mail inquiry@fuchs.com  
www.fuchs.com/us

FUCHS LUBRICANTS CANADA LTD  
(Eastern Division)  
Phone +1 519-622-2040  
E-mail inquiry@fuchs.com  
www.fuchs.com/ca

FUCHS LUBRICANTS CANADA LTD  
(Western Division)  
Phone +1 604-888-1552  
E-mail inquiry@fuchs.com  
www.fuchs.com/ca

LUBRICANTES FUCHS DE MÉXICO SA  
DE CV  
Phone +1 52 (442) 2 38 91-00  
E-mail info@fuchs.com.mx  
www.fuchs.com/mx