



## **EXTENSIS™** Oil Analysis

Helps you to **EXTend** machine life and  
**EXecute** world-class lubrication to  
**EXcel** at machine reliability.



**EXTENSIS™ Oil Analysis** only requires you to take a small sample of the oil from each component being monitored. You are provided with clear and concise directions, paper and on-line forms and sample bottles needed to submit samples to the EXTENSIS™ laboratory.

After you have taken an oil sample you simply register the sample on-line or fill out an information sheet and submit the oil sample to the EXTENSIS™ laboratory. Once the sample is received a number of tests are performed to assess the condition of the fluid and machine components. Once complete you receive an e-mail that includes a detailed oil sample report with a concise diagnosis and clear recommendations.

EXTENSIS™ Oil Analysis is being effectively used today for a broad range of vehicle fleets, marine applications and plant machinery in a wide range of industries.



## **Services Benefits**

### **ALuRT™ - Accumulative Lubrication Rank Trend**

Provides you with a quick assessment of the machine condition trend based on the current and historical analysis in order to quickly determine if the machine condition is improving and requires only on-going monitoring or worsening and requires immediate attention.

### **LuBePal™ - Lubrication Best Practice Alerts**

Receive expert recommendations on world-class lubrication solutions aimed at resolving the current lubrication condition problems that the EXTENSIS™ Oil Analysis program uncovers with your lubricated machinery.

### **EXTENSIS™ On-Line - Cloud-Based Oil Analysis**

Login to the EXTENSIS™ On-Line system to gain access to all current and historical oil analysis results and reports. Submit and track oil analysis samples with on-line data entry. Access and manage your machine database, set alarms, manage sampling schedules. Generate dashboard summaries and management reports of oil analysis program metrics, trends and sampling conformance.

## EXTENSIS™ Oil Analysis Programs

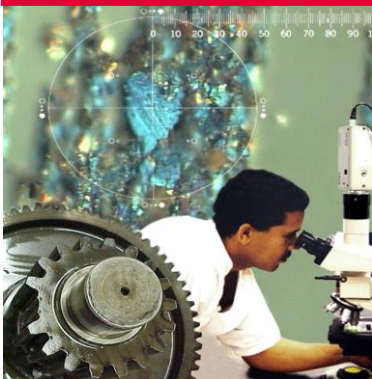
### EXTENSIS™ Fleet



Whether you operate over-the-highway trucks, construction equipment or any other type of mobile equipment your fleet represents a large investment, and sometimes the

difference between profit and loss depends on keeping operating costs low. Knowledgeable owners understand the benefit of proper maintenance and care of equipment. Through the routine monitoring of the condition of your equipment EXTENSIS™ Fleet oil analysis offers you a service to aid your maintenance practices. EXTENSIS™ Fleet oil analysis service detects abnormal equipment condition before that equipment runs into costly repairs, with time to schedule corrective action. This reduces the cost of your repairs. Problems are caught early, minimizing unscheduled, costly downtime. EXTENSIS™ Fleet oil analysis helps you to extend the life of your valuable investment.

### EXTENSIS™ Plant



EXTENSIS™ Plant oil analysis covers all three areas of fluid analysis. An assessment of the oil condition reveals whether the system oil is ready to be changed, or if it is fit for further service.

Save money by maximizing your oil change out intervals with the confidence that condition monitoring provides. Detection of ingressed contaminants from the manufacturing environment, including process contaminants, dirt, and water alerts you in time to perform filtration service, saving the oil and avoiding unnecessary wear. When the oil condition and contamination is reduced by routine monitoring, system wear will be minimized. EXTENSIS™ Plant oil analysis can detect subtle changes in the levels of wear metals present in the system oil. Failures due to worn out components can be avoided long before those components are worn out of specification.

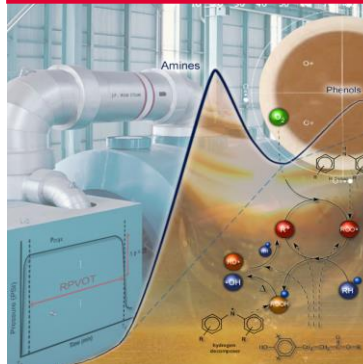
### EXTENSIS™ Marine



System assurance is a governing aspect of your business. When safety is paramount to your daily operation a condition monitoring program is an inherent part of your procedures. Oil and wear particle analysis is the most

widely accepted method of condition monitoring, in use today, for marine systems. Failures at sea, as a result of failed critical components, are avoided, as EXTENSIS™ Marine oil analysis pinpoints the wear signatures of worn out components.

### EXTENSIS™ Turbine



In order to achieve peace of mind on the operating condition of your turbine and compressor lubricants you need the comprehensive testing that EXTENSIS™ Turbine oil analysis provides. Specifically designed for

industrial turbines and compressors, EXTENSIS™ Turbine oil analysis combines well established industry tests with more recent advances in industry testing to provide an unparalleled view of the operating condition of your critical lubricants.

### EXTENSIS™ Thermal



Your thermal oil system is at the heart of your plant. EXTENSIS™ Thermal fluid analysis is the most comprehensive thermal fluid analysis program in the world. The EXTENSIS™ Thermal fluid analysis program evaluates the current state of your

thermal fluid to ensure the fluid is in proper condition to provide optimal heat transfer efficiency. EXTENSIS™ Thermal fluid monitoring will save you energy costs, reduce energy waste and ensure that you get the longest possible life from your thermal fluid.



Purchase and take EXTENSIS oil samples.

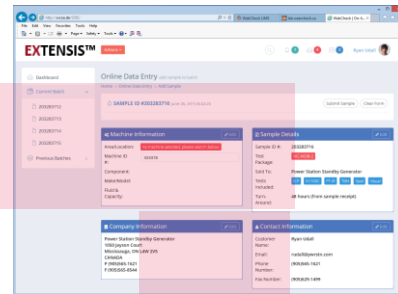
**EXTENSIS™ LOGIN**

**EXTENSIS™ On-Line**

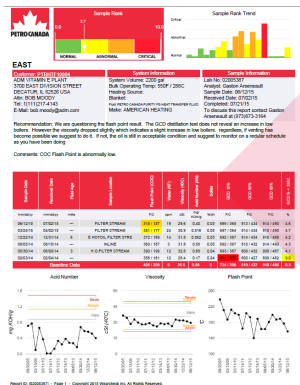
Sample ID

[need instructions?](#)

Using a mobile device or computer, register the sample using the Sample ID that is on the sample bottle.



Register a new unit or complete the login to register a machine from your equipment database.



Your comprehensive sample report, which includes your ALuRT, is attached to the notification e-mail.



In less than 48 hours you'll receive an e-mail notification with your sample results.



That's it, now submit the samples to the EXTENSIS laboratory using the include courier form.

**EXTENSIS™ LOGIN**

**EXTENSIS™ On-Line**

User ID

Password

[forgot your password?](#)

Your EXTENSIS On-line account has already been created and you can login from the Petro-Canada Web site or directly from the notification e-mail.



Use EXTENSIS On-line to manage your lubrication and oil analysis program. Submit and track oil analysis samples with on-line data entry. Access and manage your machine database, set alarms, manage sampling schedules. Generate dashboard summaries and management reports of oil analysis program metrics, trends and sampling conformance.

# EXTENSIS™ Oil Analysis Program

**EXTENSIS™ Oil Analysis** only requires you to take a small sample of the oil from each component being monitored. You are provided with clear and concise directions, paper and on-line forms and sample bottles needed to submit samples to the EXTENSIS™ laboratory.

EXTENSIS™ Oil Analysis is being effectively used today for a broad range of vehicle fleets, marine applications and plant machinery in a wide range of industries.

## Ordering Information

EXTENSIS™ oil analysis sample kits come in a carton of 12 kits. Each carton includes a pre-addressed pre-paid courier form, sample information forms (alternatively samples can be registered on-line), sample bottles and a courier bag. All sample kits include oil analysis testing, diagnosis and interpretation, sample report and access to EXTENSIS™ On-Line.

### Product

**EXTENSIS™ Fleet**  
**EXTENSIS™ Plant**  
**EXTENSIS™ Marine**  
**EXTENSIS™ Turbine**  
**EXTENSIS™ Thermal**

### Part Number

**PCEXFLEET**  
**PCEXPANT**  
**PCEXMARINE**  
**PCEXTURBINE**  
**PCEXTHERMAL**

## TechData Info Lines

To place an order, please call a Customer Order Management Representative at :

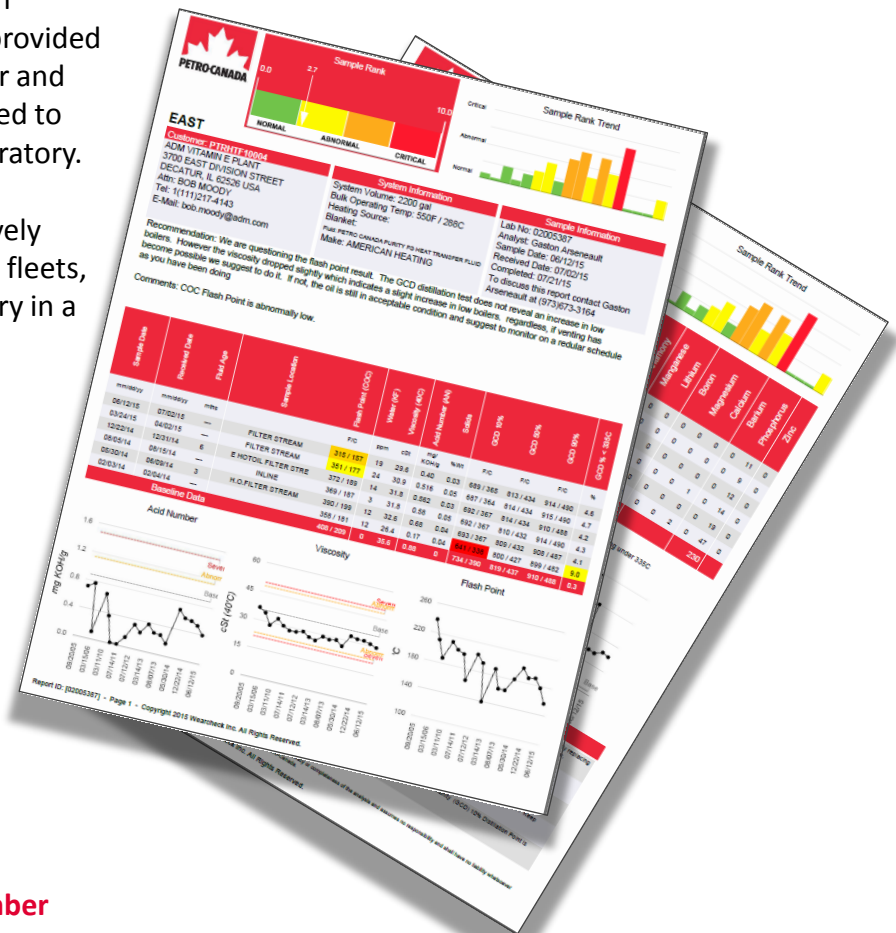
**Canada (English)** . . . . . Phone 1-800-268-5850  
**(French)** . . . . . Phone 1-800-576-1686  
**United States** . . . . . Phone 1-877-730-2369  
**Latin America** . . . . . Phone +1-416-730-2369  
**Europe** . . . . . Phone +1-416-730-2389  
**Asia** . . . . . Phone +1-416-730-2372  
**China** . . . . . Phone +86 (21) 6362-0066

You can also e-mail us at [lubecsr@suncor.com](mailto:lubecsr@suncor.com)

To learn more about how Petro-Canada lubricants, specialty fluids, oils and greases can help maximize your equipment performance, savings and productivity, please contact us at :

**North America** . . . . . Phone 1-866-335-3369  
**Europe** . . . . . Phone +44 (0) 121-781-7264  
**Germany** . . . . . Phone +49 (0) 201-726-2913  
**Latin America** . . . . . Phone +1-416-730-2369  
**Asia** . . . . . Phone +1-416-730-2372  
**China** . . . . . Phone +86 (21) 6362-0066  
**E-mail** . . . . . [sales@suncor.com](mailto:sales@suncor.com)

Visit us on the web at [lubricants.petro-canada.ca](http://lubricants.petro-canada.ca)



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