



LUBE
Control

Lube Control Pty Ltd
Providing lubrication solutions!

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PRE PAID OIL SAMPLE KITS

Incorporating

LOAMSSM

Lube Oil Analysis Management System



Virtually any piece of heavy duty equipment that has a lubricating system is a candidate for oil analysis. In particular, all service and maintenance managers, as well as on-road and off-road fleet managers, will see substantial benefits from the new tools and features engineered into LOAMS (Lube Oil Management System).

Our Pre-Paid Oil sample kits (Part Number 41-PPOSK/10) are easy to use and include:

- 10 x sample bottle,
- 10 x hard return to lab sample
- 10 x sample tubes
- 10 x basic oil test results performed by Bureau Veritas
- Access to LOAMS



Typical sample results look like this...

Bureau Veritas Minerals Pty Ltd, Petroleum Services
A/C# 003 02 882
Ph: (08) 8416 5329
Fax: (08) 8234 2893

MACHINE AND LUBRICANT ANALYTICAL SERVICE

Attention of:	Bob Robinson	Phone:	2302 9110
Fax No.:		Printed:	23/02/18
Customer/Company:	LUBE CONTROL	Site:	
CC:			
Reg No/Ret No:	RDAL STONEYFELL	Compartment:	CRUISER LUBE4103
Make:	ECCOGEAR	Model:	HC820
Lubricant Brand:		Grade:	
Sample No.:	2161201	Received:	23/02/18
Service Level:	AM OIL PRENUM	Test Reason:	ROUTINE SAMPLE

ACTION

The PO index in relation to iron content is usually associated with an increase in larger wear particles. The increase in large wear particles usually indicates abnormal wear. The silicon level is usually associated with dirt contamination. Check breathers/vents.

We recommend an oil change or filtration. Diagnosed by Jorran Satri

	Current	Prev#1	Prev#2	Prev#3	Prev#4	Prev#5
Sample No	2161201					
Sample Date	18/02/2018					
Equipment hrs/mtr						
Oil hrs/mtr						
Top up litres						

Physical Test & FTIR

	Current	Prev#1	Prev#2	Prev#3	Prev#4	Prev#5
Visc @40°C cSt	230.0					
Water %	<0.1					
Ductility	<1					
Neutral	7					
PO Index	114	Δ				

Metal Concentration - ppm

	Current	Prev#1	Prev#2	Prev#3	Prev#4	Prev#5
Calcium	1000					
Magnesium	197					
Phosphorus	196					
Zinc	200					
Aluminium	5					
Iron	311	Δ				
Chromium	2					
Copper	11					
Lead	<1					
Tin	2					
Silicon	43	Δ				
Sodium	0					
Nickel	<1					

Particle Count

	Current	Prev#1	Prev#2	Prev#3	Prev#4	Prev#5
4µm Cumulative	135640					
10µm Cumulative	18010					
20µm Cumulative	0.0					
ISO-4406 - 4µm	11					
ISO-4406 - 6µm	18					
ISO-4406 - 14µm	13					

First ever sample result

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Attention of:	Bob Robinson	Phone:	2302 9110
Fax No.:		Printed:	23/02/18
Customer/Company:	LUBE CONTROL	Site:	
CC:			
Reg No/Ret No:	3 WIS METAL	Compartment:	HYDRAULIC ROOM
Make:	HITTECH	Model:	8003
Lubricant Brand:		Grade:	
Sample No.:	2161201	Received:	23/02/18
Service Level:	AM OIL PRENUM	Test Reason:	ROUTINE SAMPLE

✓ Diagnosed by Kelly NORTHEAST

NORMAL

	Current	Prev#1	Prev#2	Prev#3	Prev#4	Prev#5
Sample No	2160000	2160720	2155510	2155511	2160205	2155510
Sample Date	21/06/2018	13/03/2018	08/01/2018	06/10/2017	19/07/2017	05/05/2017
Equipment hrs/mtr						
Oil hrs/mtr						
Top up litres						

Physical Test & FTIR

	Current	Prev#1	Prev#2	Prev#3	Prev#4	Prev#5
Visc @40°C cSt	69.56	67.46	67.78	67.66	69.45	67.79
Water %	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ductility	<1	1	<1	1	<1	<1
Neutral	3	5	3	4	3	2
Appearance	Normal	Normal	Normal	Normal	Normal	Normal
PO Index	0	0	0	0	4	0

Metal Concentration - ppm

	Current	Prev#1	Prev#2	Prev#3	Prev#4	Prev#5
Calcium	81	83	56	45	40	41
Magnesium	<1	<1	<1	<1	<1	<1
Phosphorus	224	254	219	203	155	208
Zinc	200	202	221	208	202	252
Aluminium	<1	<1	<1	<1	<1	1
Iron	2	4	2	1	4	5
Chromium	<1	1	<1	<1	<1	1
Copper	<1	<1	<1	<1	<1	1
Lead	<1	<1	<1	<1	<1	<1
Tin	<1	<1	<1	<1	<1	<1
Silicon	4	0	7	3	5	7
Sodium	<1	<1	<1	<1	<1	1
Nickel	<1	<1	<1	<1	<1	1

Particle Count

	Current	Prev#1	Prev#2	Prev#3	Prev#4	Prev#5
4µm Cumulative	2181.0	1090.0				
10µm Cumulative	920.0	560.0				
20µm Cumulative	0.0	0.0				
ISO-4406 - 4µm	16	17				
ISO-4406 - 6µm	17	16				
ISO-4406 - 14µm	14	13				

After trending

BASIC TESTS

Basic Test for Engine Oils – Prepaid includes the following:

Basic Test	For Engine Oils
ASTM E2414	Oxidation and Nitration (Abs/cm) by FTIR Soot by FTIR for engine oils Glycol content Water content
ASTM D445	Viscosity@100°C
ASTM D3828	Fuel Dilution by small scale closed cup tester
ASTM D5185	Wear, additive and contaminant metals

Basic Test for Engine Oils – Prepaid includes the following:

Basic Test For Gear/Transmission Systems	Gear/Transmission Systems
ASTM E2414	Oxidation and Nitration by FTIR Water content by FTIR
ASTM D445	Viscosity@40°C or 100°C (oil type dependant)
	PQ index
ASTM D5185	Wear, additive and contamination metals

Basic Test for Hydraulic Oils – Prepaid includes the following:

Basic Test	Hydraulic Systems
ASTM E2414	Oxidation and Nitration by FTIR Water content by FTIR
ISO4406	Particle count
ASTM D445	Viscosity@40°C
ASTM D5185	Wear, additive and contamination metals

Extra tests on demand

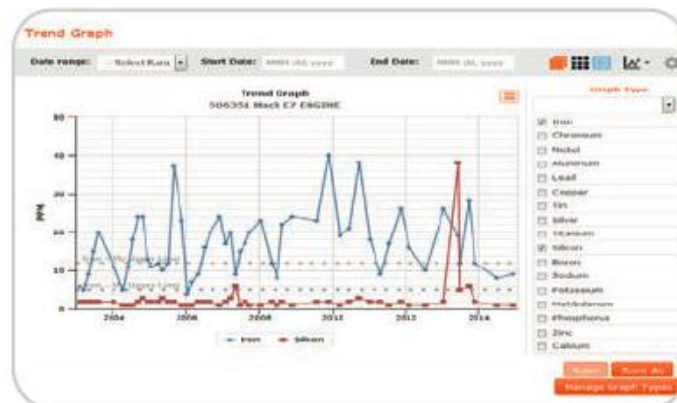
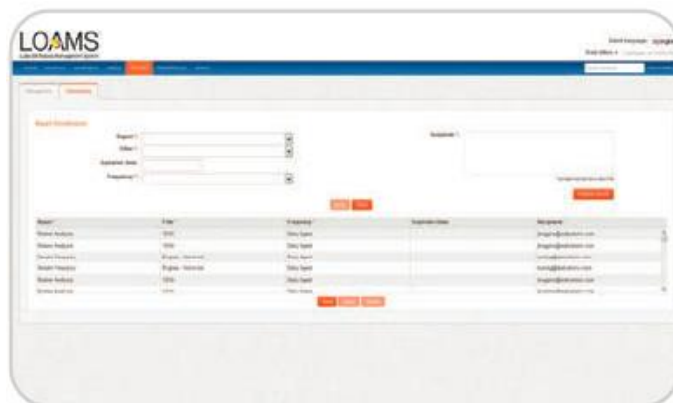
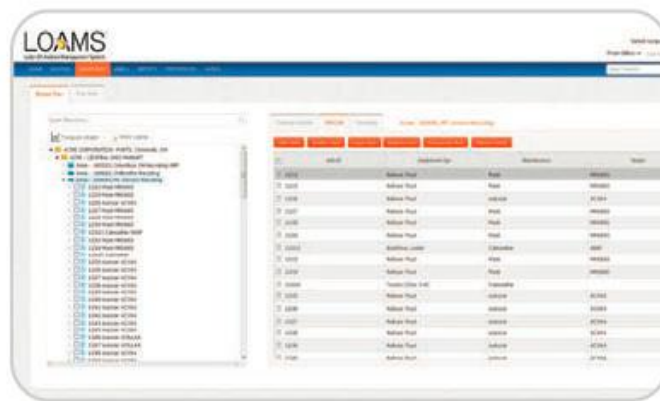
Extra Tests	Extra Tests
ISO4407	Patch analysis and photograph
ASTM D6304	Karl Fisher moisture/water analysis
ASTM D2896	Base number on engine oils
ASTM D664	Acid number

AN ADDITIONAL TOOL UTILISING REAL-TIME-DATA LOAMS (included in the prepaid samples)

An additional tool which that is included in our prepaid kits is access to our real-time OCM data.

Using LOAMS – our exclusive Lube Oil Analysis Management System – Lube Control clients can:

- Monitor sampling schedules and submit samples online for fast, accurate laboratory processing
- View test results immediately
- Filter data by multiple parameters to manage large accounts or sets of data
- Graph trends in sample data to identify potential failures in progress
- Create report distributions for fast communication of critical conditions
- Move, merge or update equipment information across locations



MAKE LOAMS PART OF YOUR LONG-TERM MAINTENANCE PROGRAM

If you manage a maintenance operation or a fleet of heavy-duty equipment, the LOAMS used oil analysis program can potentially save you time, energy and money — lots of money. If you're ready to unleash the power of LOAMS, give us a call and we'll help you get started.



GETTING STARTED IS EASY

Get in touch with your local Lube Control representative or email sales@lubecontrol.com.au. For technical support call 1300 917 946.

Building plant and fleet reliability with Bureau Veritas Labs...



BUREAU
VERITAS

TIPS AND HARDWARE

Have you got Vacuum Pumps and all the accessories to get a true oil sample. If not call Lube Control Pty Ltd on 1300 917 946 or visit

www.lubecontrol.com.au/more-lubrication/oil-sampling

