

Anyone can put fluid in a bottle . . .

it takes a trained professional to get the money out.



Practical Oil Analysis TRAINING

Edmonton, AB, Canada

May 16-17
Oil Analysis



POLARIS Laboratories
Lubricant Analysis Report
877-808-3750

Overall report severity based on comments:

0	1	2	3	4
NORMAL	ABNORMAL	ABNORMAL	CRITICAL	CRITICAL

Account Information
Account Number: 000000-0000-0000
Company Name: ABC COMPANY
Contact: JOHN SMITH
Address: 1234 100TH STREET, EDMONTON, AB T1E 2W3, CANADA

Component Information
Component ID: F872 B ENGINE
Serial #: FP SP42000 TM RHINO T
Component Type: DIESEL ENGINE
Manufacturer: CUMMINS
Model: QSK50
Application: GAS-OIL FIELD
Sump Capacity: 55

Sample Information
Tracking Number: 00000A00000
Lab Number: E-602325
Lab Location: Edmonton
Data Analyst: DRH
Sampled: 30-Dec-2011
Submitted: 03-Jan-2012
Received: 05-Jan-2012
Completed: 10-Jan-2012

Filter Information
Filter Type: FULLFLOW
Micron Rating: 15

Miscellaneous Information
SO#:

Product Information
Product Manufacturer: ROYAL PURPLE LUBRICANTS
Product Name: MOTOR OIL
Viscosity Grade: SAE 15W40

Comments
SUGGEST INSPECTING this unit for excessive bearing wear; Suggest inspecting cooling system (head gasket, heads, seals etc.). Fuel is at a SEVERE LEVEL; Check for source of water contamination (SEALS, BREATHERS, FILL PORTS). Water is at a SEVERE LEVEL. Suggest flushing system; LEAD is at a SEVERE LEVEL and may be OVERLAY METAL from MAIN/ROD BEARINGS; IR (OXIDATION/NITRATION) RESULTS may be skewed due to excess water; Flagged additive levels are different than what should be present for the lubricant that is identified for this unit. (This does not imply that the lubricant does not meet proper API, SAE, or ISO classifications.); Unit hours/miles/kilometers not provided for this sample; Resample at half interval.

Sample #	Wear Metals (ppm)										Contaminant Metals (ppm)					Multi-Source Metals (ppm)					Additive Metals (ppm)				
	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc	
15	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	426	477	2037	0	1274	1608
7	8	0	0	2	3	1	0	0	0	0	11	11	9	0	91	0	0	0	524	469	1770	2	1217	1451	
8	10	0	0	2	5	4	1	0	0	0	12	9	7	0	95	0	0	0	495	427	1661	2	1126	1373	
0	8	0	0	2	2	2	1	0	0	0	7	5	4	0	92	0	0	0	495	427	1661	2	1126	1373	
0	7	0	0	6	120	6	1	0	0	0	27	13	4	0	92	0	0	0	536	447	1810	0	1229	1474	
5	0	0	2	17	2	0	0	0	0	0	7	3	2	0	94	0	0	0	345	420	1631	0	1174	1485	
13	0	1	2	2	11	0	0	0	0	0	6	4	3	0	91	1	0	0	503	405	1622	0	1174	1485	
11	0	0	0	75	77	0	0	0	0	0	6	4	3	0	96	0	0	0	503	405	1622	0	1174	1485	
10	0	0	1	23	78	0	0	0	0	0	6	4	3	0	96	0	0	0	503	405	1622	0	1174	1485	

Stop reacting to individual reports and start managing a more effective program today!



Register today at www.polarislabs.com/training
877-808-3750 Ext. 218



POLARIS Laboratories® 2012 Edmonton Public Training Dates

How to Register



Yes! I want to attend the POLARIS Laboratories® fluid analysis training.

1. Contact Information

Name _____
Company _____
Address _____
City _____ State _____ Zip _____
Phone _____ Fax _____
Email _____

2. Class Options

Locations

Edmonton, AB, Canada

May 16-17

Oil Analysis Training

3. Registration Options

Early Bird
Discount

Oil Analysis Training (2 Days)\$ 800\$ 700

4. Payment Method

Payment must be in U.S. dollars by credit card.

Please charge my: VISA MasterCard American Express

Acct. # _____ Exp. Date _____

Cardholder's Name (please print) _____

Cardholder's Signature _____

5. Registration Submission

online: www.polarislabs.com/training-form.php **call:** 877-808-3750 ext. 218

fax: 317-808-3751

mail: 7898 Zionsville Road, Indianapolis, IN 46268

Reservation confirmation and accommodation details will be sent upon receipt of payment.

