



**PERFORMANCE
UNDER
PRESSURE**

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Machine Id
CATERPILLAR EMD 3406B
Component
Diesel Engine
Fluid
ROYAL PURPLE MOTOR OIL 15W40 (10 GAL)

RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RP034678	---	---
Sample Date		Client Info		22 Apr 2006	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		1466	---	---
Filter Age	hrs	Client Info		730	---	---
Oil Changed		Client Info		Not Chngd	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m		74	---	---
Chromium	ppm	ASTM D5185m		1	---	---
Nickel	ppm	ASTM D5185m		1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		8	---	---
Lead	ppm	ASTM D5185m		3	---	---
Copper	ppm	ASTM D5185m		4	---	---
Tin	ppm	ASTM D5185m		0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

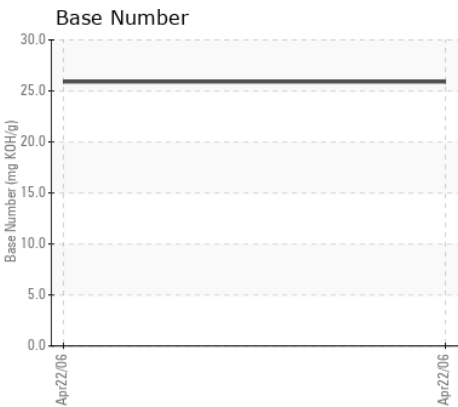
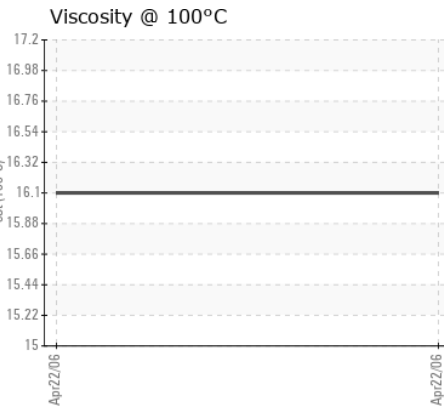
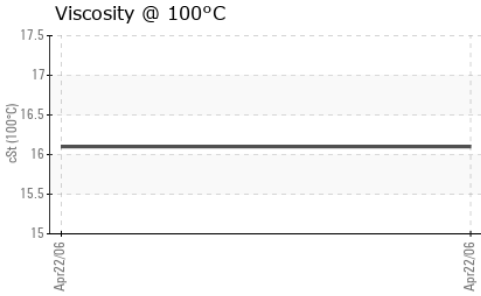
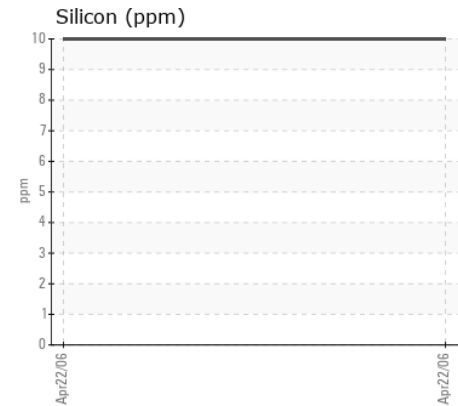
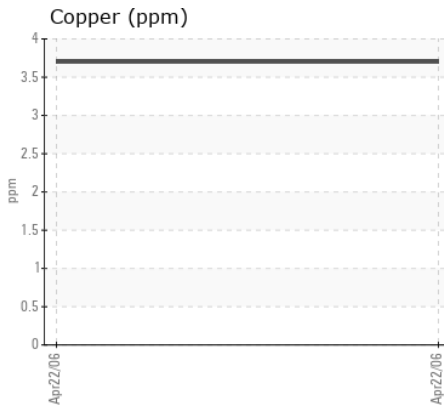
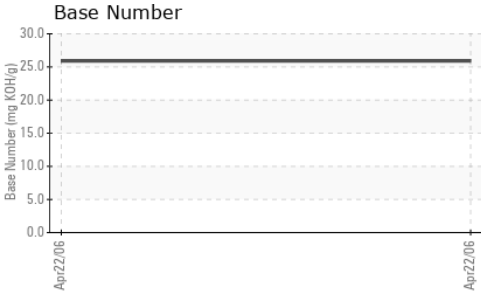
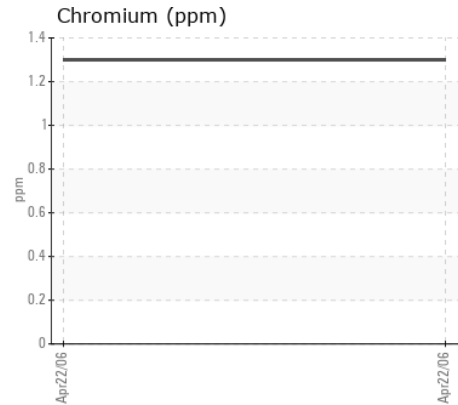
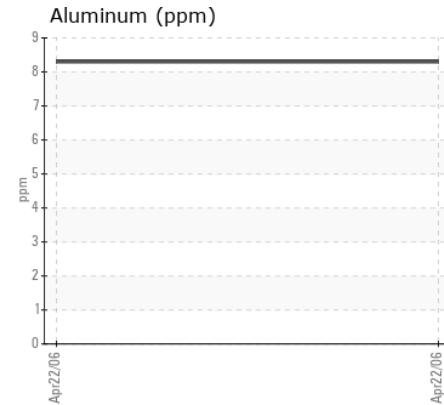
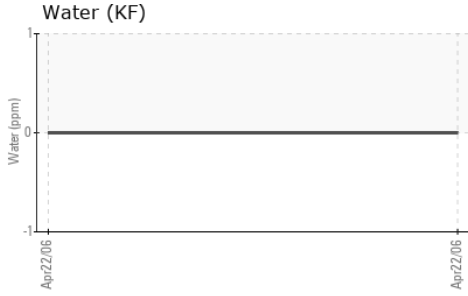
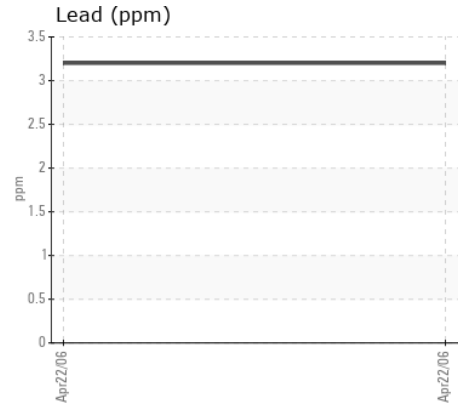
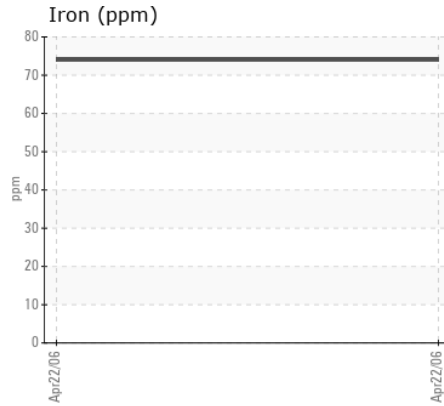
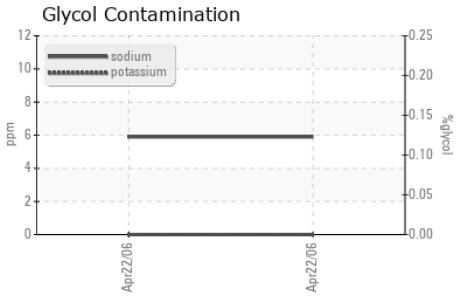
There is a trace of moisture present in the oil.

Silicon	ppm	ASTM D5185m		10	---	---
Potassium	ppm	ASTM D5185m		0	---	---
Fuel		WC Method		<1.0	---	---
Water	%	ASTM D6304		▲ 0.170	---	---
Glycol	%	*ASTM D2982		NEG	---	---
Soot %	%	*ASTM D7844		1.1	---	---
Nitration	Abs/cm	*ASTM D7624		0.23	---	---
Sulfation	Abs/.1mm	*ASTM D7415		0.53	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual		0.1%	---	---

FLUID CONDITION

The condition of oil is suitable for further service.

Sodium	ppm	ASTM D5185m		6	---	---
Boron	ppm	ASTM D5185m		3	---	---
Barium	ppm	ASTM D5185m		19	---	---
Molybdenum	ppm	ASTM D5185m		127	---	---
Manganese	ppm	ASTM D5185m		1	---	---
Magnesium	ppm	ASTM D5185m		3323	---	---
Calcium	ppm	ASTM D5185m		6152	---	---
Phosphorus	ppm	ASTM D5185m		1018	---	---
Zinc	ppm	ASTM D5185m		1488	---	---
Oxidation	Abs/.1mm	*ASTM D7414		0.68	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		25.9	---	---
Visc @ 100°C	cSt	ASTM D445		16.1	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP034678
Lab Number : **01711414**
Unique Number : 3697671
Test Package : MOB 2 (Additional Tests: Glycol, KF)

Received : 24 May 2006
Tested : 25 May 2006
Diagnosed : 25 May 2006 - Doug Bogart

OILMAX S.A.S.
 AV 6 DICIEMBRE Y GASPAR CANTERO
 QUITO-ECUADOR,

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 oilmax.ec@gmail.com
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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: x: