



PERFORMANCE
UNDER
PRESSURE

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CATERPILLAR EMD CAT 3406B

Component
Diesel Engine

Fluid
{not provided} (10 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RP034730	RP034740	---
Sample Date		Client Info		28 Oct 2006	26 Sep 2006	---
Machine Age	hrs	Client Info		12611	11822	---
Oil Age	hrs	Client Info		1603	860	---
Filter Age	hrs	Client Info		743	860	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m		39	33	---
Chromium	ppm	ASTM D5185m		2	1	---
Nickel	ppm	ASTM D5185m		<1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m		8	8	---
Lead	ppm	ASTM D5185m		4	<1	---
Copper	ppm	ASTM D5185m		8	6	---
Tin	ppm	ASTM D5185m		0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

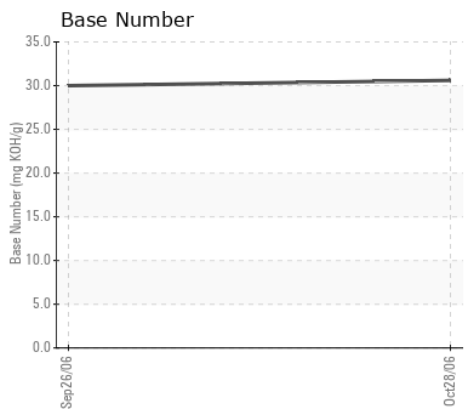
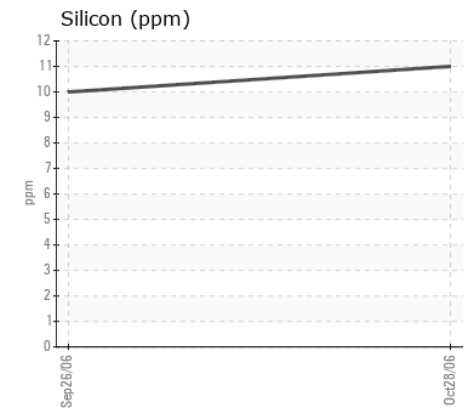
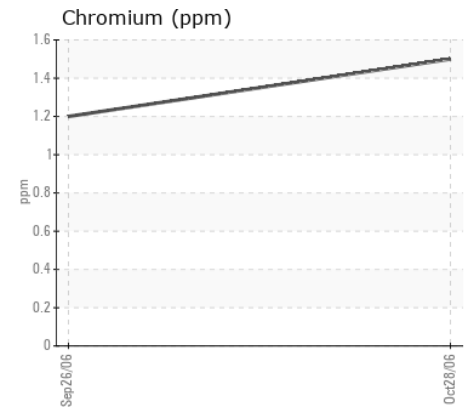
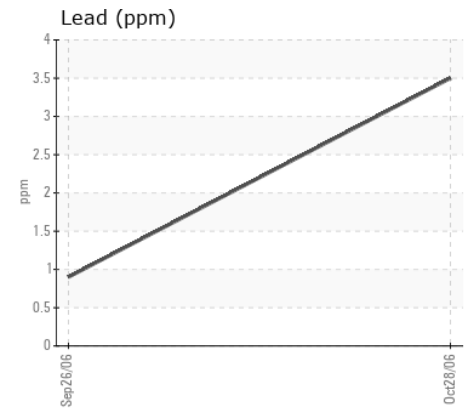
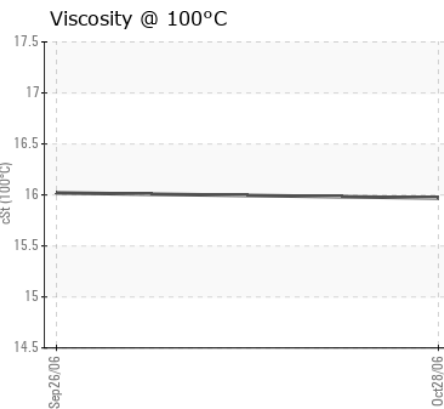
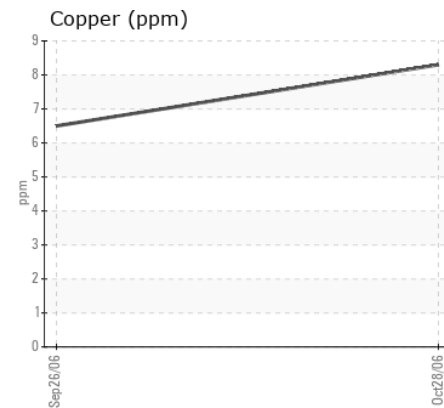
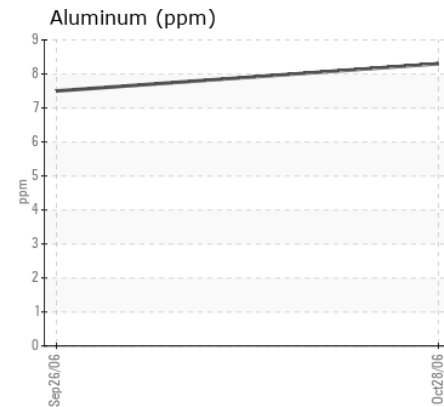
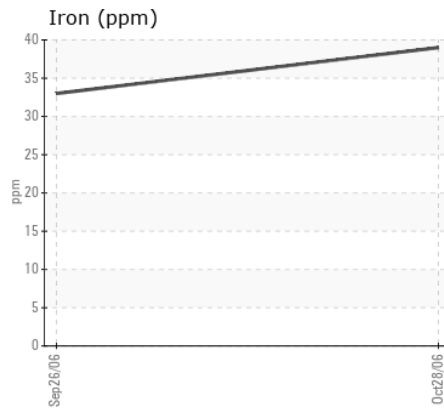
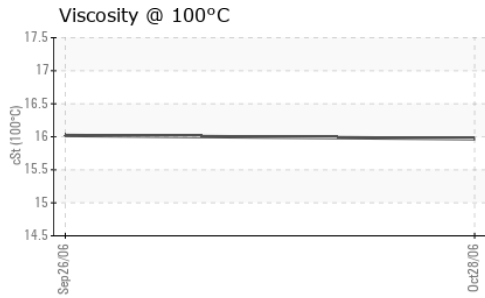
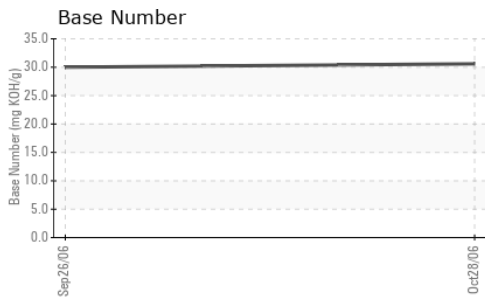
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m		11	10	---
Potassium	ppm	ASTM D5185m		0	0	---
Fuel		WC Method		<1.0	<1.0	---
Water		WC Method		NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844		0.2	0.1	---
Nitration	Abs/cm	*ASTM D7624		0.22	0.15	---
Sulfation	Abs/.1mm	*ASTM D7415		0.43	0.23	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual		NEG	NEG	---

FLUID CONDITION

The condition of oil is suitable for further service.

Sodium	ppm	ASTM D5185m		5	5	---
Boron	ppm	ASTM D5185m		1	1	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		152	131	---
Manganese	ppm	ASTM D5185m		1	1	---
Magnesium	ppm	ASTM D5185m		3541	3047	---
Calcium	ppm	ASTM D5185m		7104	6174	---
Phosphorus	ppm	ASTM D5185m		1170	984	---
Zinc	ppm	ASTM D5185m		1648	1471	---
Oxidation	Abs/.1mm	*ASTM D7414		0.72	0.29	---
Base Number (BN)	mg KOH/g	ASTM D2896		30.6	30.0	---
Visc @ 100°C	cSt	ASTM D445		15.97	16.02	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP034730
Lab Number : **01866064**
Unique Number : 3954614
Test Package : MOB 2

Received : 16 Nov 2006
Tested : 17 Nov 2006
Diagnosed :

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

Contact: DANNY BARREIRO
 oilmax.ec@gmail.com
 T: (593)996-451694

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: