



**PERFORMANCE
UNDER
PRESSURE**

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
WAUKESHA WKS-SIPEC-01
Component
Natural Gas Engine
Fluid
SAE 40W (110 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RP033636	RP032464	---
Sample Date		Client Info		06 Nov 2006	28 Jul 2005	---
Machine Age	hrs	Client Info		11004	1000	---
Oil Age	hrs	Client Info		2280	1000	---
Filter Age	hrs	Client Info		2280	1000	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		Not Changd	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m		5	4	---
Chromium	ppm	ASTM D5185m		<1	<1	---
Nickel	ppm	ASTM D5185m		<1	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m		2	1	---
Lead	ppm	ASTM D5185m		1	<1	---
Copper	ppm	ASTM D5185m		1	2	---
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

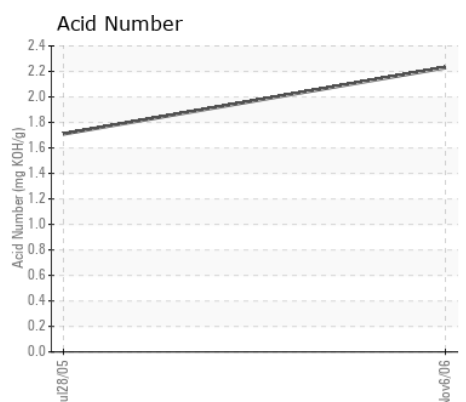
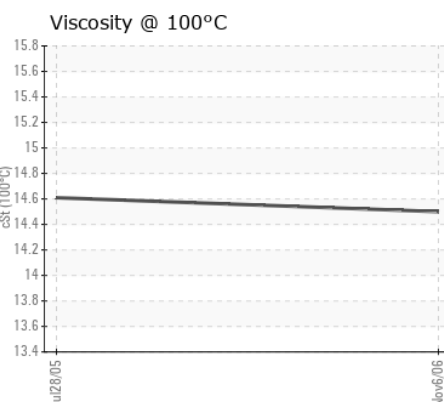
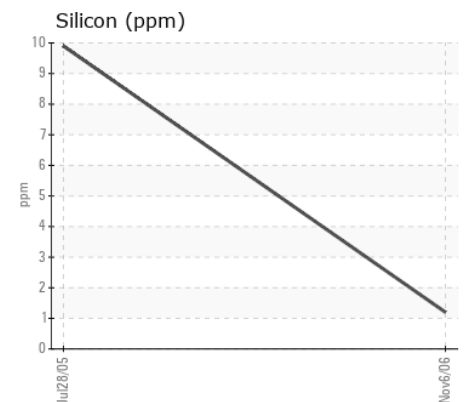
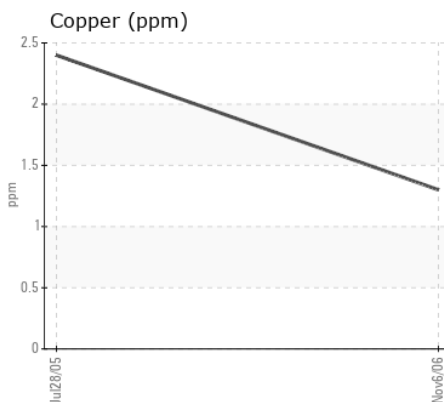
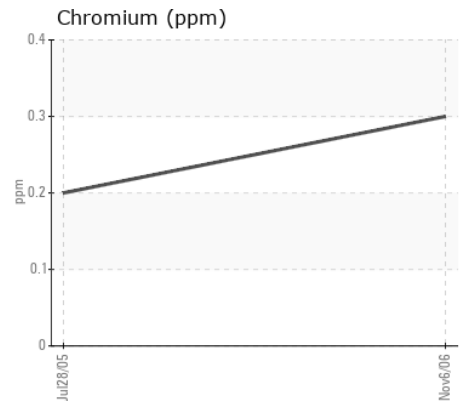
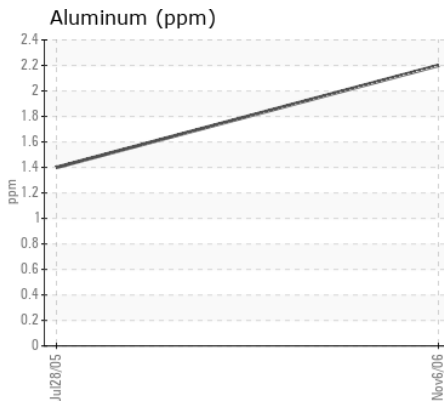
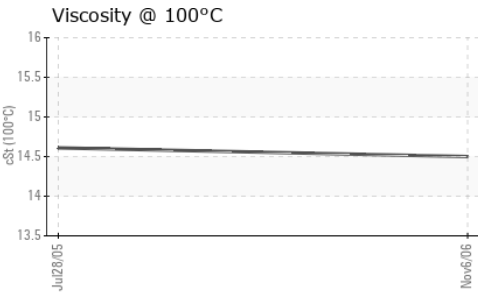
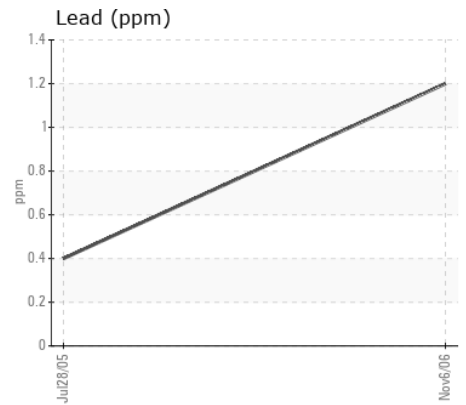
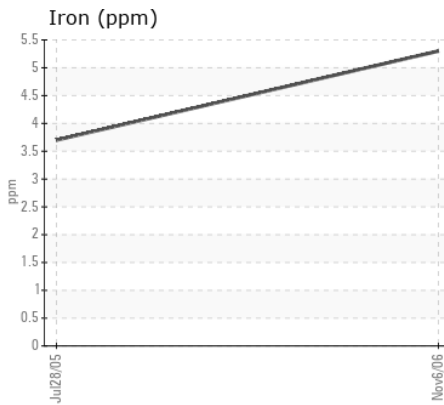
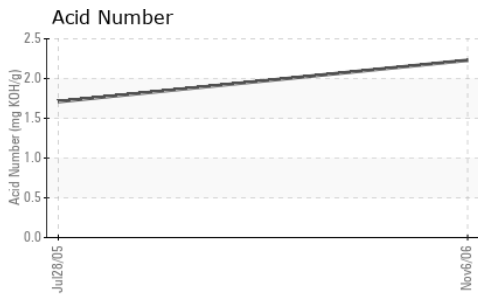
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m		1	10	---
Potassium	ppm	ASTM D5185m		0	5	---
Water		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844		0	0	---
Nitration	Abs/cm	*ASTM D7624		0.14	0.06	---
Sulfation	Abs/.1mm	*ASTM D7415		0.35	0.07	---
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		25	<1	---
Boron	ppm	ASTM D5185m		<1	5	---
Barium	ppm	ASTM D5185m		0	<1	---
Molybdenum	ppm	ASTM D5185m		20	8	---
Manganese	ppm	ASTM D5185m		0	<1	---
Magnesium	ppm	ASTM D5185m		4	8	---
Calcium	ppm	ASTM D5185m		1535	1335	---
Phosphorus	ppm	ASTM D5185m		560	332	---
Zinc	ppm	ASTM D5185m		437	398	---
Oxidation	Abs/.1mm	*ASTM D7414		0.64	0.16	---
Acid Number (AN)	mg KOH/g	ASTM D8045		2.23	1.71	---
Visc @ 100°C	cSt	ASTM D445		14.5	14.61	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : RP033636

Lab Number : 01866044

Unique Number : 3954594

Test Package : MOB 2 (Additional Tests: TAN Man)

Received : 16 Nov 2006

Tested : 17 Nov 2006

Diagnosed : 17 Nov 2006 - Doug Bogart

OILMAX S.A.S.

AV 6 DICIEMBRE Y GASPAR CANTERO

QUITO-ECUADOR,

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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)