



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL



Machine Id
WEIFANG WEIFANG GENSET
Component
Diesel Engine
Fluid
SHELL ROTELLA T 15W40 (20 LTR)

RECOMMENDATION

We advise that you flush the component thoroughly before re-filling with oil. We recommend that you drain the oil from the component if this has not already been done.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC750759	WC750760	WC678936
Sample Date		Client Info		04 May 2008	23 Jan 2008	05 Nov 2007
Machine Age	hrs	Client Info		14716	14218	13694
Oil Age	hrs	Client Info		498	524	411
Filter Age	hrs	Client Info		498	524	411
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				SEVERE	SEVERE	SEVERE

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)		24	32	59
Chromium	ppm	ASTM D5185(m)		<1	<1	<1
Nickel	ppm	ASTM D5185(m)		0	0	0
Titanium	ppm	ASTM D5185(m)		<1	<1	<1
Silver	ppm	ASTM D5185(m)		<1	<1	0
Aluminum	ppm	ASTM D5185(m)		8	8	9
Lead	ppm	ASTM D5185(m)		2	2	3
Copper	ppm	ASTM D5185(m)		34	16	17
Tin	ppm	ASTM D5185(m)		<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINATION

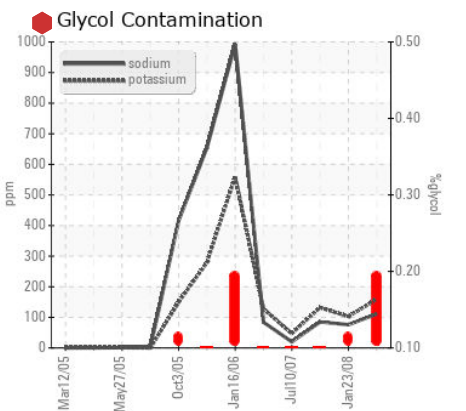
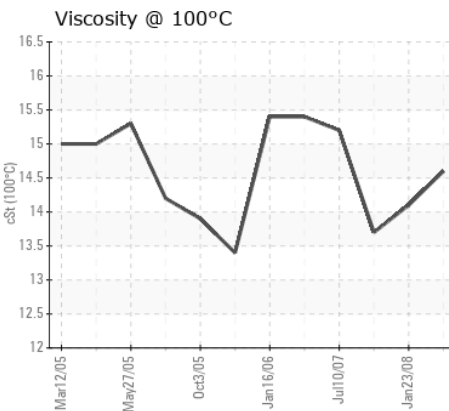
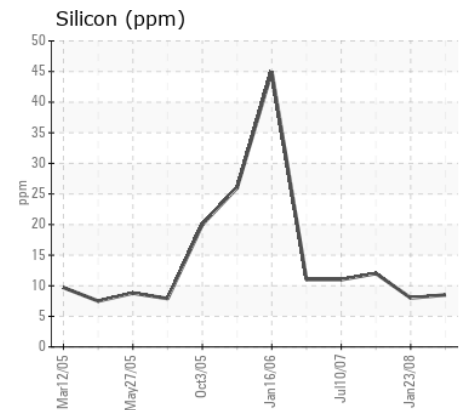
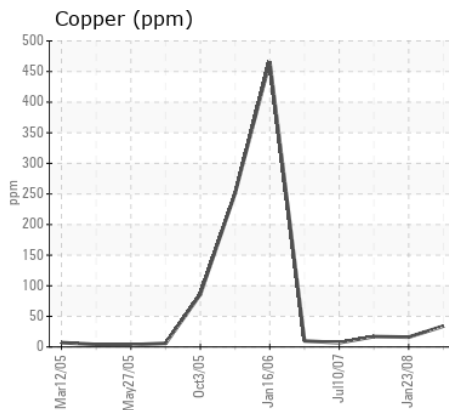
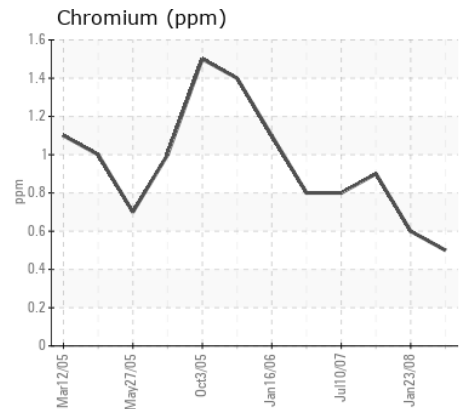
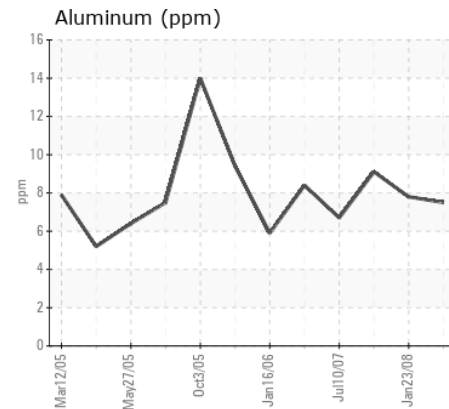
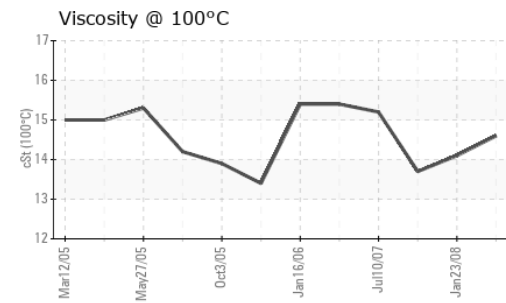
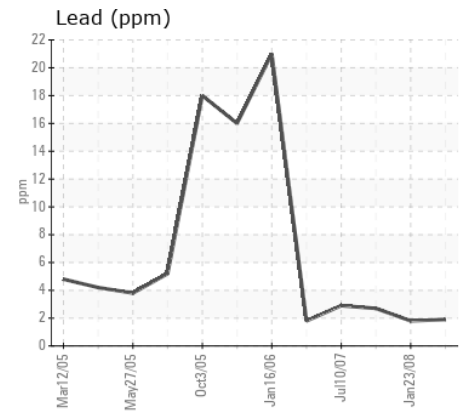
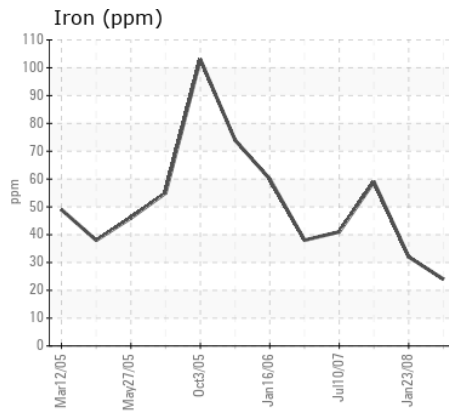
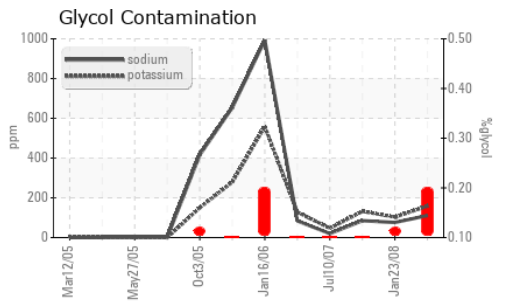
Test for glycol is positive. There is an abnormal level of nitration indicated.

Silicon	ppm	ASTM D5185(m)		8	8	12
Potassium	ppm	ASTM D5185(m)		▲ 159	▲ 103	▲ 132
Fuel		WC Method		<1.0	<1.0	<1.0
Water		WC Method		NEG	NEG	NEG
Glycol	%	ASTM D7922*		● 0.20	● 0.12	● 0.10
Soot %	%	ASTM D7844*		0.1	0.1	0.1
Nitration	Abs/cm	ASTM D7624*		13	12	13
Sulfation	Abs/.1mm	ASTM D7415*		23	24	25
Emulsified Water	scalar	Visual*		NEG	NEG	NEG

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)		▲ 111	▲ 76	▲ 85
Boron	ppm	ASTM D5185(m)		25	24	11
Barium	ppm	ASTM D5185(m)		<1	<1	0
Molybdenum	ppm	ASTM D5185(m)		3	4	7
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)		11	12	16
Calcium	ppm	ASTM D5185(m)		2793	3190	4325
Phosphorus	ppm	ASTM D5185(m)		1198	1197	1318
Zinc	ppm	ASTM D5185(m)		1582	1560	1652
Sulfur	ppm	ASTM D5185(m)		3196	3389	4123
Oxidation	Abs/.1mm	ASTM D7414*		23	22	19
Visc @ 100°C	cSt	ASTM D7279(m)		14.6	14.1	13.7



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **MAPLETON MANUFACTURING INC**
Sample No. : WC750759 **Received** : 18 Jun 2008
Lab Number : 01470626 **Diagnosed** : 19 Jun 2008
Unique Number : 2689399 **Diagnostician** :
Test Package : MOB 1

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

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