



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id  
**GENSET**  
Component  
**Natural Gas Engine**  
Fluid  
**CHEVRON RPM HEAVY DUTY SAE 15W40 (20 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC859818</b>	---	---
Sample Date		Client Info		<b>10 Apr 2012</b>	---	---
Machine Age	hrs	Client Info		<b>1975</b>	---	---
Oil Age	hrs	Client Info		<b>525</b>	---	---
Filter Age	hrs	Client Info		<b>525</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)		<b>11</b>	---	---
Chromium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m)		<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)		<b>3</b>	---	---
Lead	ppm	ASTM D5185(m)		<b>2</b>	---	---
Copper	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185(m)		<b>1</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---

## CONTAMINATION

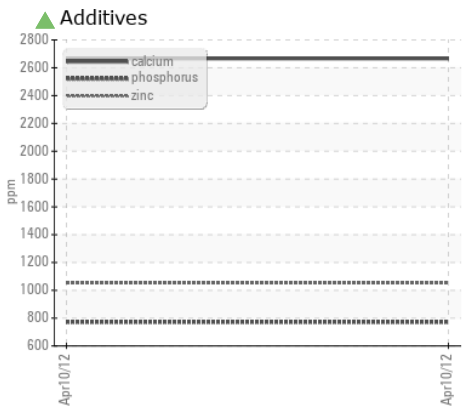
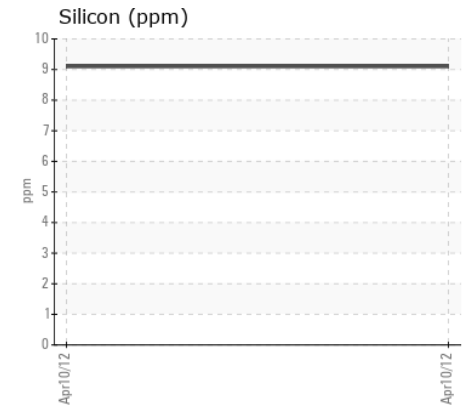
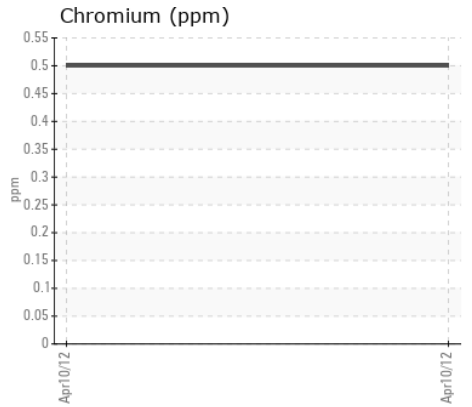
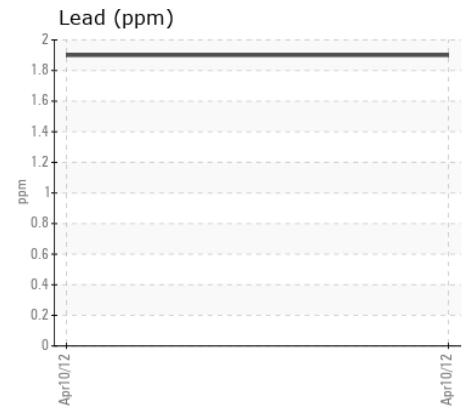
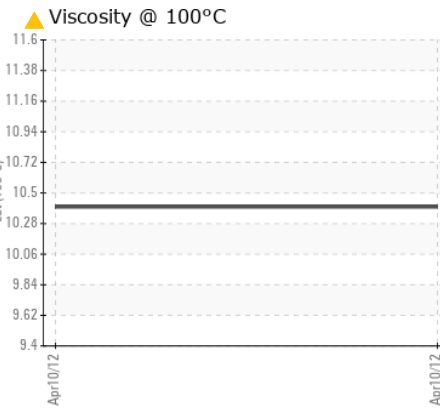
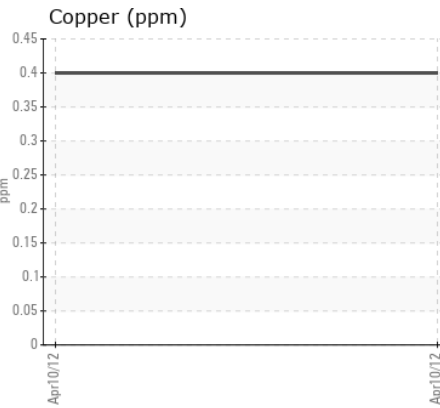
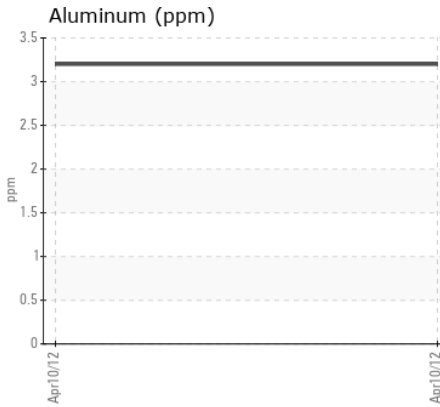
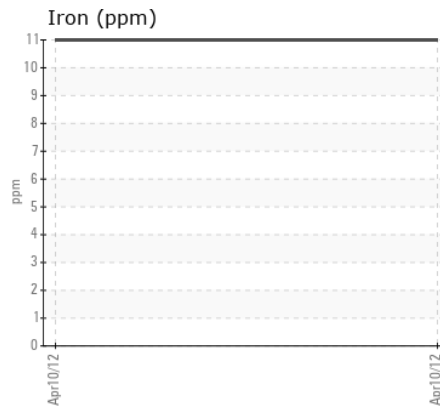
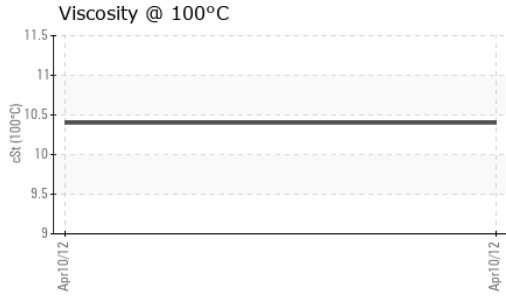
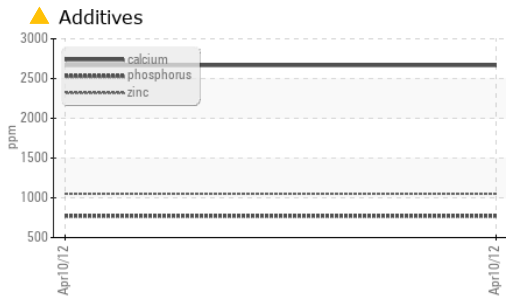
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185(m)		<b>9</b>	---	---
Potassium	ppm	ASTM D5185(m)		<b>1</b>	---	---
Water		WC Method		<b>NEG</b>	---	---
Soot %	%	ASTM D7844*		<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*		<b>13.7</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*		<b>33.2</b>	---	---
Emulsified Water	scalar	Visual*		<b>NEG</b>	---	---

## FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>12</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>▲ 235</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>48</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>2666</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>▲ 772</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>▲ 1051</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>2693</b>	---	---
Oxidation	Abs/.1mm	ASTM D7414*		<b>15.1</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		<b>▲ 10.4</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **MAPLETON MANUFACTURING INC**  
**Sample No.** : WC859818 **Received** : 20 Apr 2012  
**Lab Number** : 01755729 **Diagnosed** : 20 Apr 2012  
**Unique Number** : 3502684 **Diagnostician** : Bill Quesnel  
**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.

7235 BLIND LINE ROAD  
 ELMIRA, ON  
 CA N3B 2Z3  
 Contact: Henry Martin  
 henry@mapletonmfg.com  
 T: (519)669-0437  
 F: (519)669-1052