



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**ALLAN SIMONSON**

Machine Id  
**Volvo 770**

Component  
**Diesel Engine**

Fluid  
**SHELL ROTELLA T 15W40 (40 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>KL0001554</b>	KL0001450	---
Sample Date		Client Info		<b>30 Apr 2007</b>	26 Mar 2007	---
Machine Age	kms	Client Info		<b>1395201</b>	0	---
Oil Age	kms	Client Info		<b>11032</b>	450	---
Filter Age	kms	Client Info		<b>11032</b>	450	---
Oil Changed		Client Info		<b>N/A</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)		<b>4</b>	15	---
Chromium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185(m)		<b>0</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Aluminum	ppm	ASTM D5185(m)		<b>2</b>	3	---
Lead	ppm	ASTM D5185(m)		<b>2</b>	3	---
Copper	ppm	ASTM D5185(m)		<b>21</b>	227	---
Tin	ppm	ASTM D5185(m)		<b>3</b>	2	---
Vanadium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

## CONTAMINATION

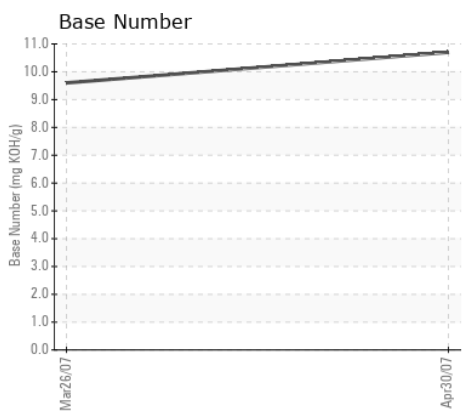
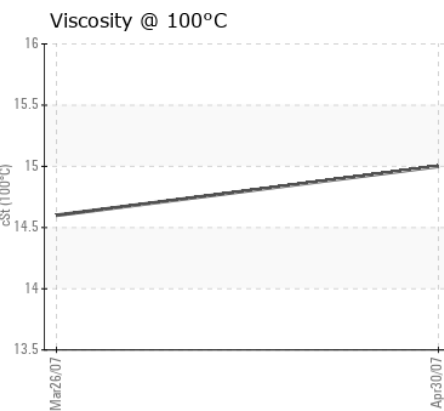
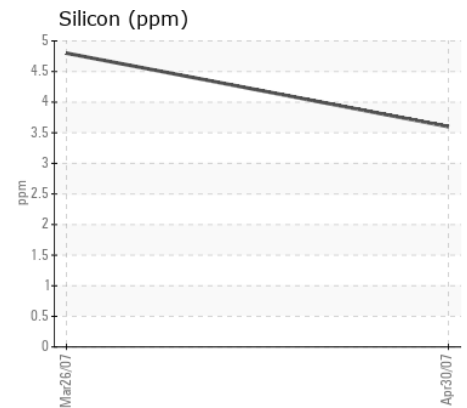
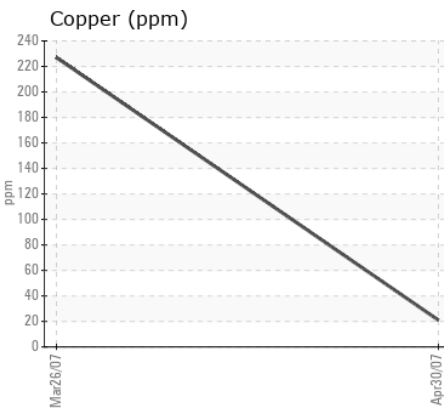
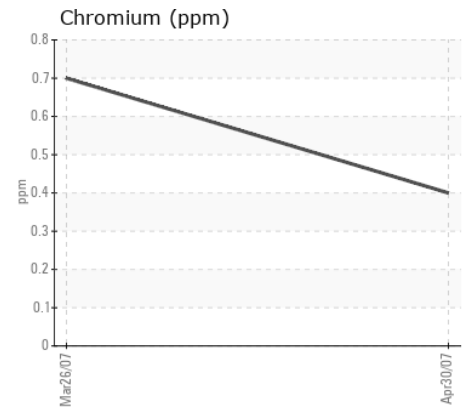
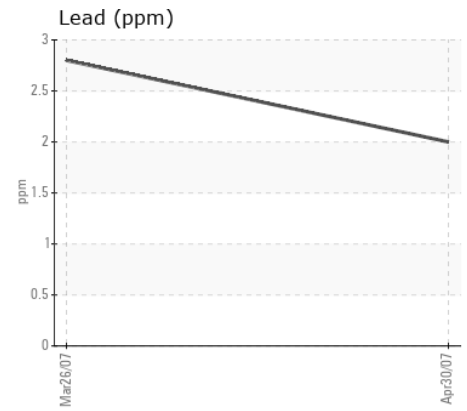
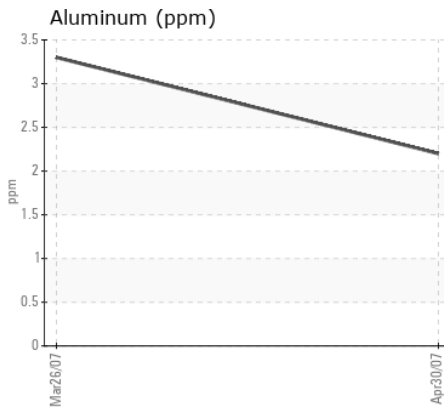
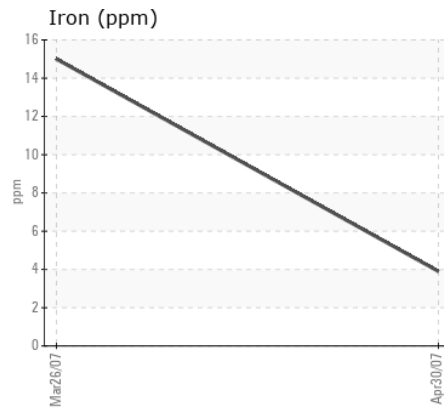
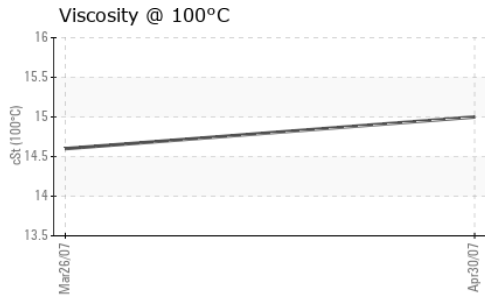
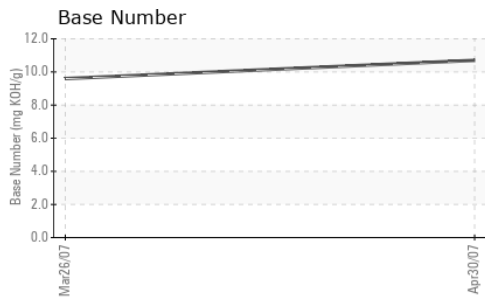
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185(m)		<b>4</b>	5	---
Potassium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Fuel		WC Method		<b>&lt;1.0</b>	<1.0	---
Water		WC Method		<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	ASTM D7844*		<b>0</b>	0.1	---
Nitration	Abs/cm	ASTM D7624*		<b>5</b>	8	---
Sulfation	Abs/.1mm	ASTM D7415*		<b>19</b>	22	---
Emulsified Water	scalar	Visual*		<b>NEG</b>	NEG	---

## FLUID CONDITION

The condition of oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Boron	ppm	ASTM D5185(m)		<b>15</b>	5	---
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)		<b>4</b>	10	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185(m)		<b>11</b>	15	---
Calcium	ppm	ASTM D5185(m)		<b>2967</b>	3910	---
Phosphorus	ppm	ASTM D5185(m)		<b>1103</b>	1156	---
Zinc	ppm	ASTM D5185(m)		<b>1282</b>	1413	---
Sulfur	ppm	ASTM D5185(m)		<b>3985</b>	3951	---
Oxidation	Abs/.1mm	ASTM D7414*		<b>15</b>	17	---
Base Number (BN)	mg KOH/g	ASTM D2896*		<b>10.7</b>	9.6	---
Visc @ 100°C	cSt	ASTM D7279(m)		<b>15.0</b>	14.6	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : KL0001554  
**Lab Number** : **01379797**  
**Unique Number** : 2438234  
**Test Package** : MOB1+  
**Received** : 03 May 2007  
**Tested** : 04 May 2007  
**Diagnosed** :

**DAB'S REPAIR LTD.**  
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 WINNIPEG, MB  
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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.