



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**P&P Transport**

Machine Id  
**Volvo 150862**

Component  
**Diesel Engine**

Fluid  
**CHEVRON DELO 400 MULTIGRADE 15W40 (44 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>KL0001606</b>	KL0001443	---
Sample Date		Client Info		<b>13 Jul 2007</b>	09 Apr 2007	---
Machine Age	kms	Client Info		<b>561141</b>	476697	---
Oil Age	kms	Client Info		<b>84444</b>	40000	---
Filter Age	kms	Client Info		<b>84444</b>	40000	---
Oil Changed		Client Info		<b>Not Changed</b>	Changed	---
Filter Changed		Client Info		<b>Not Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)		<b>43</b>	25	---
Chromium	ppm	ASTM D5185(m)		<b>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>0</b>	1	---
Aluminum	ppm	ASTM D5185(m)		<b>8</b>	4	---
Lead	ppm	ASTM D5185(m)		<b>1</b>	1	---
Copper	ppm	ASTM D5185(m)		<b>2</b>	1	---
Tin	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

## CONTAMINATION

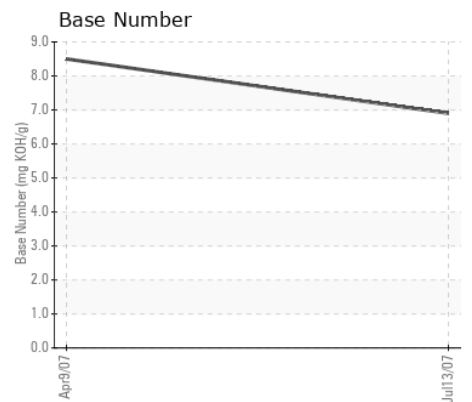
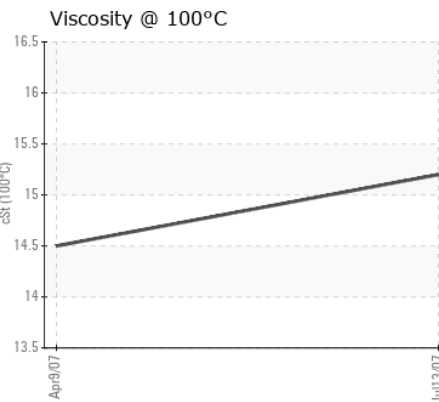
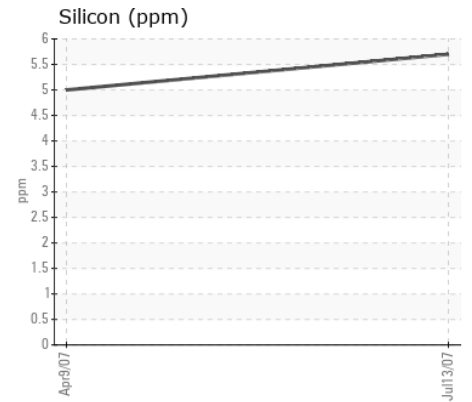
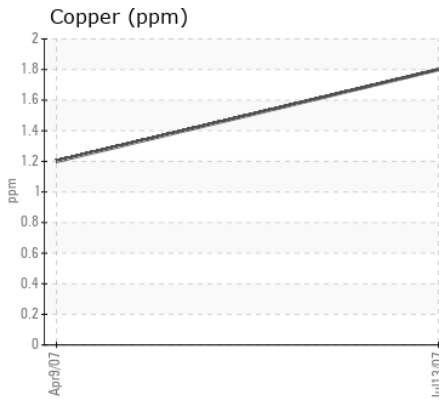
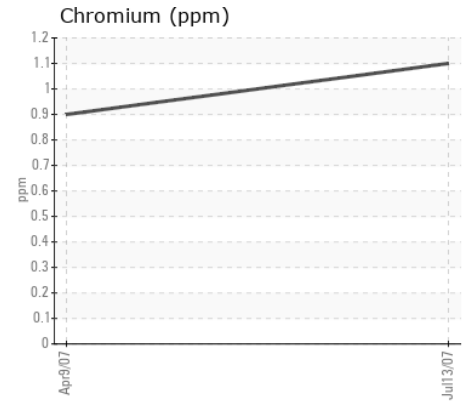
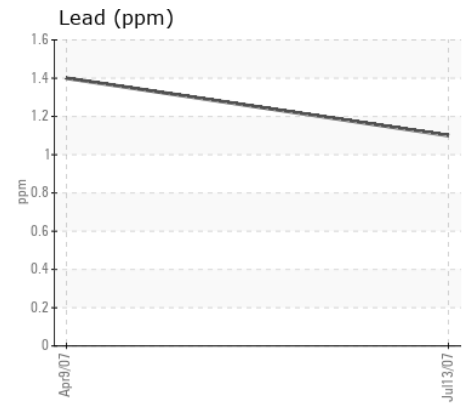
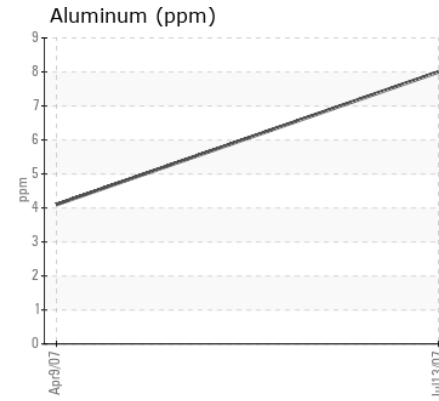
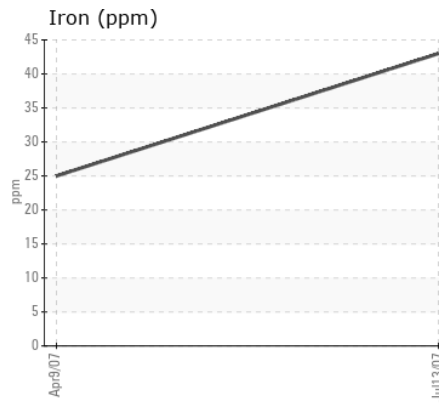
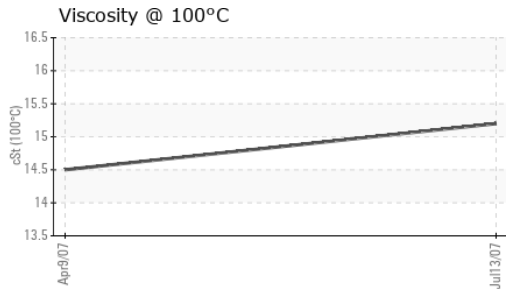
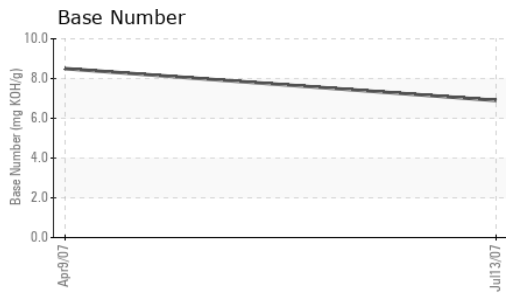
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185(m)		<b>6</b>	5	---
Potassium	ppm	ASTM D5185(m)		<b>8</b>	3	---
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>1.8</b>	0.7	---
Nitration	Abs/cm	ASTM D7624*		<b>11</b>	7	---
Sulfation	Abs/.1mm	ASTM D7415*		<b>26</b>	21	---
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>4</b>	2	---
Boron	ppm	ASTM D5185(m)		<b>28</b>	2	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)		<b>152</b>	<1	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185(m)		<b>8</b>	10	---
Calcium	ppm	ASTM D5185(m)		<b>2910</b>	3522	---
Phosphorus	ppm	ASTM D5185(m)		<b>1036</b>	1194	---
Zinc	ppm	ASTM D5185(m)		<b>1274</b>	1418	---
Sulfur	ppm	ASTM D5185(m)		<b>2957</b>	3941	---
Oxidation	Abs/.1mm	ASTM D7414*		<b>18</b>	15	---
Base Number (BN)	mg KOH/g	ASTM D2896*		<b>6.9</b>	8.5	---
Visc @ 100°C	cSt	ASTM D7279(m)		<b>15.2</b>	14.5	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : KL0001606 **Received** : 20 Jul 2007  
**Lab Number** : 01397245 **Diagnosed** : 20 Jul 2007  
**Unique Number** : 2487720 **Diagnostician** :  
**Test Package** : MOB1+

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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