



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
NORMAL
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		KL0001450	---	---
Sample Date		Client Info		26 Mar 2007	---	---
Machine Age	kms	Client Info		0	---	---
Oil Age	kms	Client Info		450	---	---
Filter Age	kms	Client Info		450	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core)

Iron	ppm	ASTM D5185(m)		15	---	---
Chromium	ppm	ASTM D5185(m)		<1	---	---
Nickel	ppm	ASTM D5185(m)		0	---	---
Titanium	ppm	ASTM D5185(m)		<1	---	---
Silver	ppm	ASTM D5185(m)		<1	---	---
Aluminum	ppm	ASTM D5185(m)		3	---	---
Lead	ppm	ASTM D5185(m)		3	---	---
Copper	ppm	ASTM D5185(m)		▲ 227	---	---
Tin	ppm	ASTM D5185(m)		2	---	---
Vanadium	ppm	ASTM D5185(m)		<1	---	---

CONTAMINATION

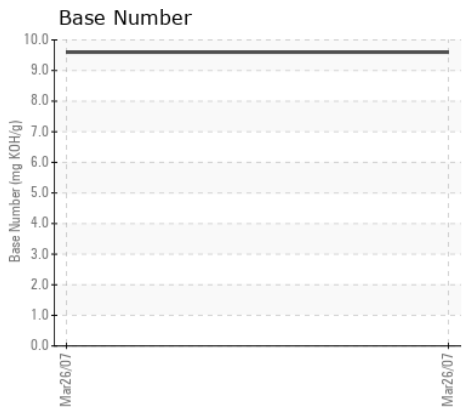
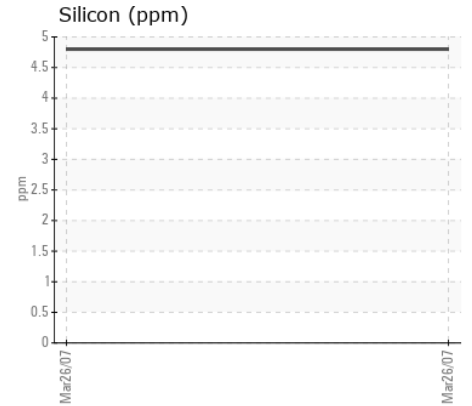
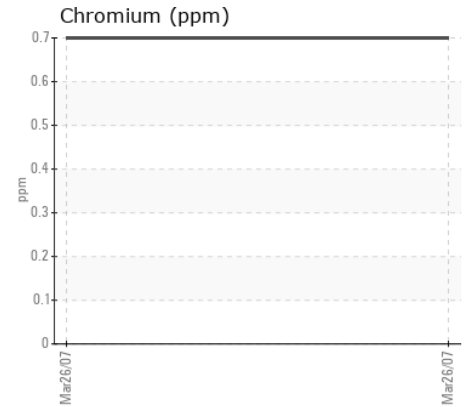
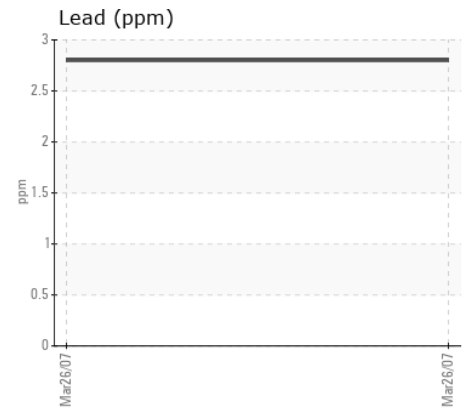
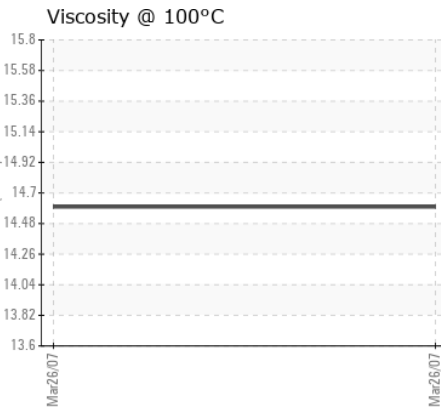
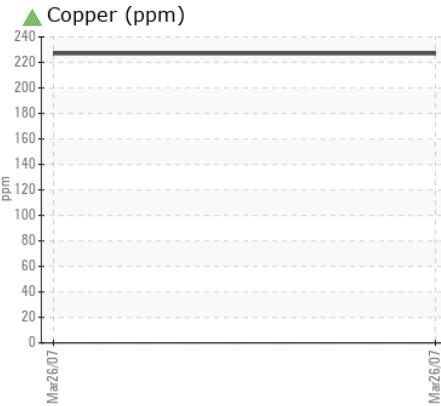
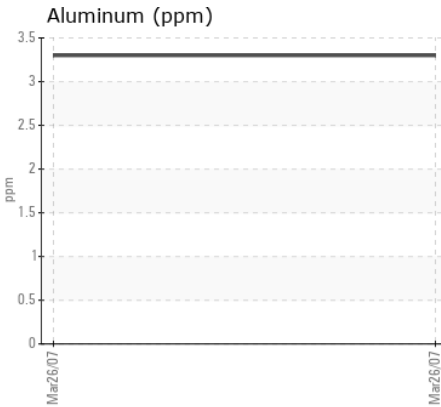
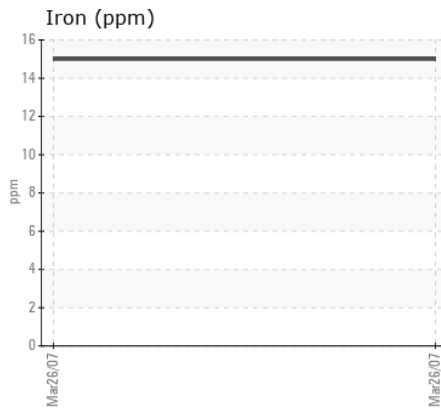
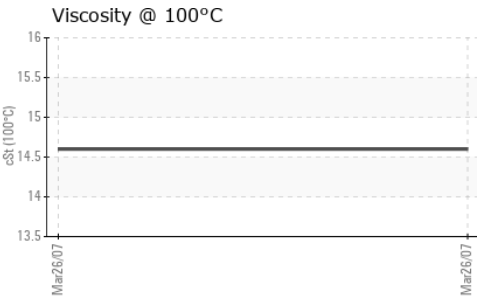
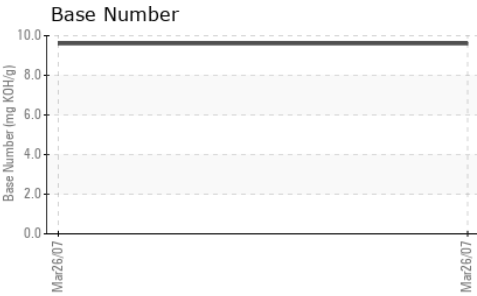
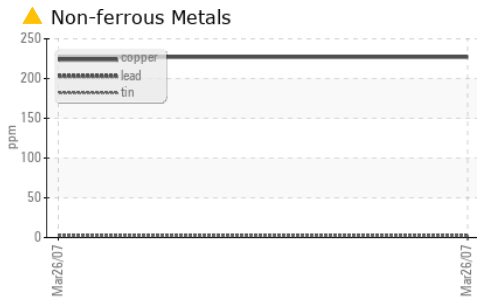
There is no indication of any contamination in the component.

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

FLUID CONDITION

The condition of oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		0	---	---
Boron	ppm	ASTM D5185(m)		5	---	---
Barium	ppm	ASTM D5185(m)		<1	---	---
Molybdenum	ppm	ASTM D5185(m)		10	---	---
Manganese	ppm	ASTM D5185(m)		<1	---	---
Magnesium	ppm	ASTM D5185(m)		15	---	---
Calcium	ppm	ASTM D5185(m)		3910	---	---
Phosphorus	ppm	ASTM D5185(m)		1156	---	---
Zinc	ppm	ASTM D5185(m)		1413	---	---
Sulfur	ppm	ASTM D5185(m)		3951	---	---
Oxidation	Abs/.1mm	ASTM D7414*		17	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		9.6	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		14.6	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : KL0001450 **Received** : 05 Apr 2007
Lab Number : **01373293** **Tested** : 09 Apr 2007
Unique Number : 2423721 **Diagnosed** :
Test Package : MOB1+ (Additional Tests: BottomAnalysis, FilterPatch)

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.

DAB'S REPAIR LTD.
 2126 LOGAN AVE
 WINNIPEG, MB
 CA R2R 0J2
 Contact: Dan Belinski
 dan@dabsrepair.com
 T: (204)694-2390
 F: (204)694-2406