



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

**connect logistics**

Machine Id

**int 105**

Component

**Diesel Engine**

Fluid

**CHEVRON DELO 400 MULTIGRADE 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>KL0001438</b>	KL0001456	KL0001373
Sample Date		Client Info		<b>25 Apr 2007</b>	13 Mar 2007	31 Jan 2007
Machine Age	kms	Client Info		<b>1764</b>	1400	1034
Oil Age	kms	Client Info		<b>364</b>	366	345
Filter Age	kms	Client Info		<b>364</b>	366	345
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)		<b>40</b>	35	42
Chromium	ppm	ASTM D5185(m)		<b>2</b>	1	1
Nickel	ppm	ASTM D5185(m)		<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Aluminum	ppm	ASTM D5185(m)		<b>7</b>	5	7
Lead	ppm	ASTM D5185(m)		<b>3</b>	<1	1
Copper	ppm	ASTM D5185(m)		<b>2</b>	2	2
Tin	ppm	ASTM D5185(m)		<b>4</b>	2	2
Vanadium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

## CONTAMINATION

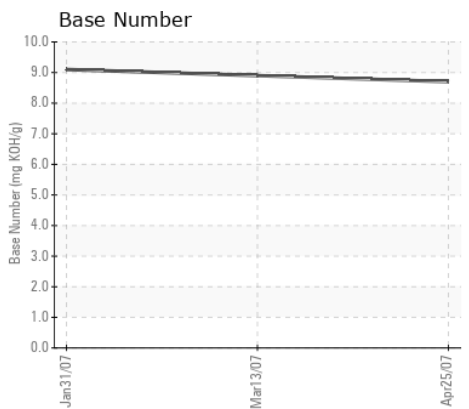
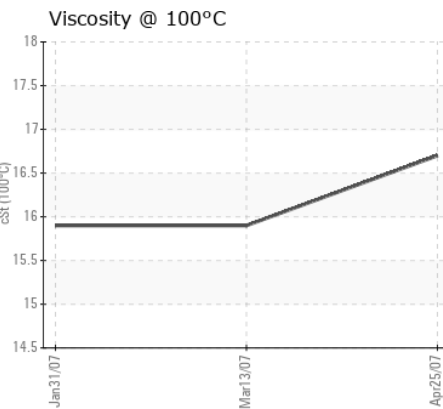
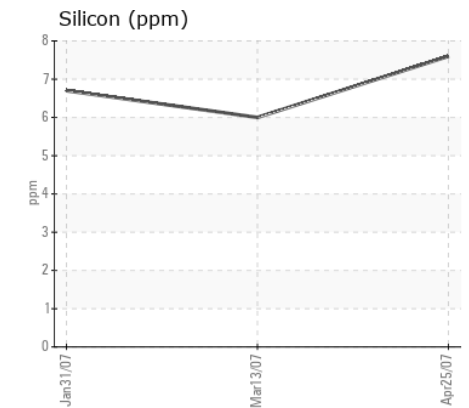
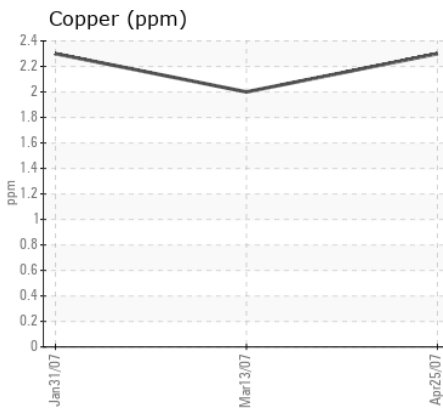
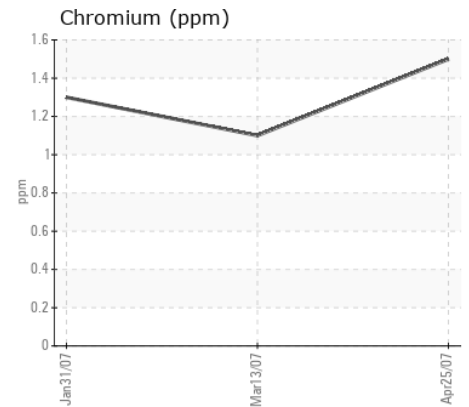
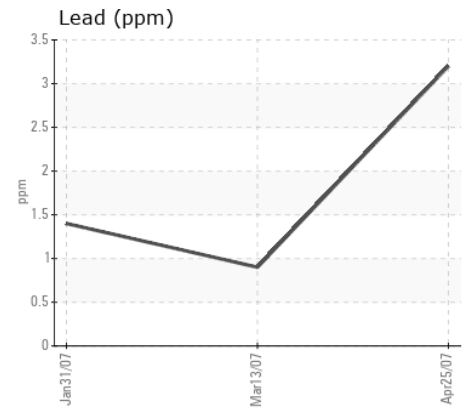
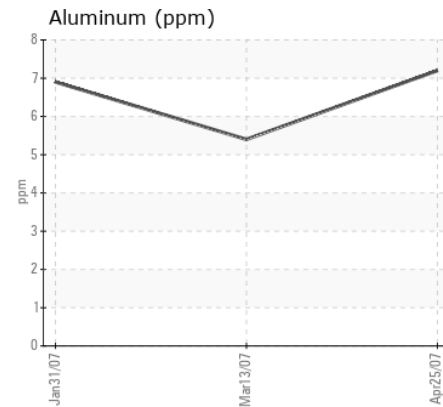
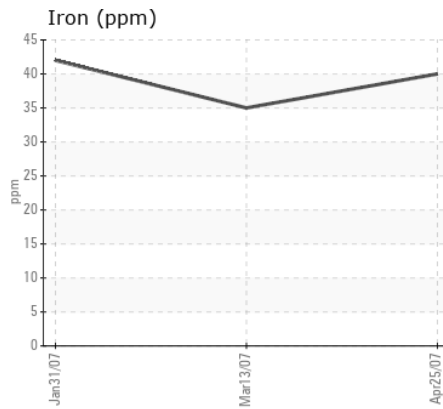
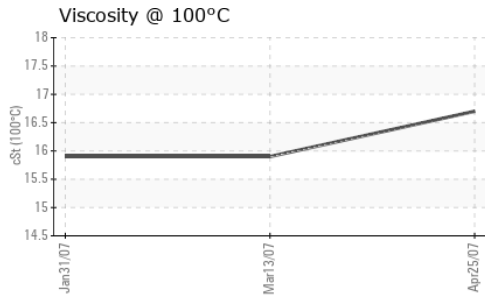
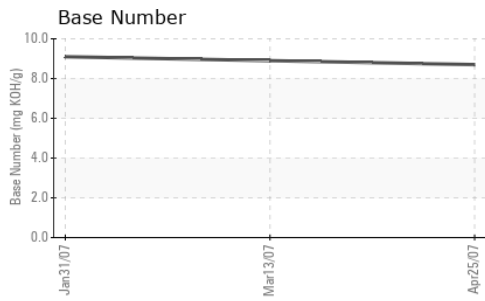
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185(m)		<b>8</b>	6	7
Potassium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Fuel		WC Method		<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method		<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*		<b>4</b>	3	3
Nitration	Abs/cm	ASTM D7624*		<b>10</b>	9	8
Sulfation	Abs/.1mm	ASTM D7415*		<b>26</b>	24	24
Emulsified Water	scalar	Visual*		<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The condition of oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		<b>0</b>	0	1
Boron	ppm	ASTM D5185(m)		<b>103</b>	100	115
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>267</b>	227	234
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>12</b>	9	9
Calcium	ppm	ASTM D5185(m)		<b>3657</b>	3309	3364
Phosphorus	ppm	ASTM D5185(m)		<b>1290</b>	1229	1233
Zinc	ppm	ASTM D5185(m)		<b>1526</b>	1428	1459
Sulfur	ppm	ASTM D5185(m)		<b>4038</b>	3491	3444
Oxidation	Abs/.1mm	ASTM D7414*		<b>14</b>	15	14
Base Number (BN)	mg KOH/g	ASTM D2896*		<b>8.7</b>	8.9	9.1
Visc @ 100°C	cSt	ASTM D7279(m)		<b>16.7</b>	15.9	15.9



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : KL0001438  
**Lab Number** : 01379800  
**Unique Number** : 2438237  
**Test Package** : MOB1+  
**Received** : 03 May 2007  
**Tested** : 04 May 2007  
**Diagnosed** :

**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

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.