



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**MATIS**  
 Machine Id  
**K/W 2852**  
 Component  
**Diesel Engine**  
 Fluid  
**CHEVRON DELO 400 LE 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>KL0001905</b>	KL0001895	KL0001883
Sample Date		Client Info		<b>07 Feb 2008</b>	17 Jan 2008	28 Dec 2007
Machine Age	kms	Client Info		<b>93442</b>	72836	45225
Oil Age	kms	Client Info		<b>48217</b>	27611	45225
Filter Age	kms	Client Info		<b>48217</b>	27611	45225
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)		<b>41</b>	24	44
Chromium	ppm	ASTM D5185(m)		<b>2</b>	2	4
Nickel	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)		<b>14</b>	11	11
Lead	ppm	ASTM D5185(m)		<b>2</b>	1	4
Copper	ppm	ASTM D5185(m)		<b>4</b>	3	11
Tin	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	5
Vanadium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

## CONTAMINATION

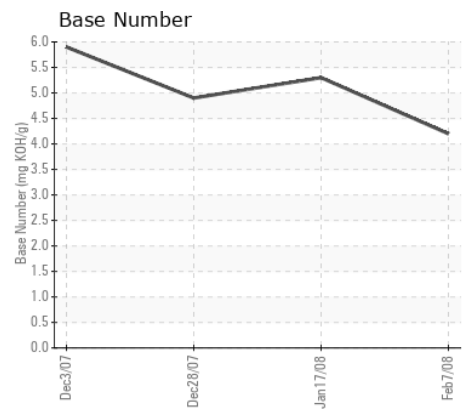
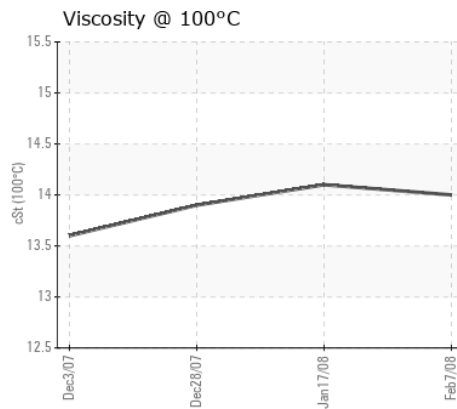
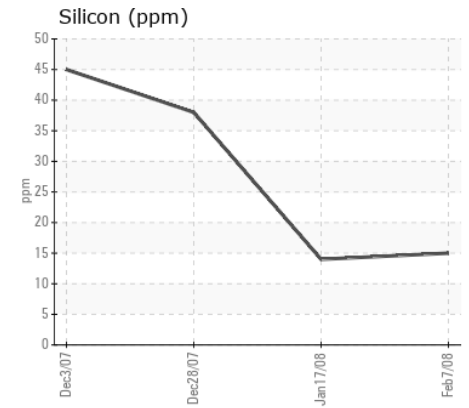
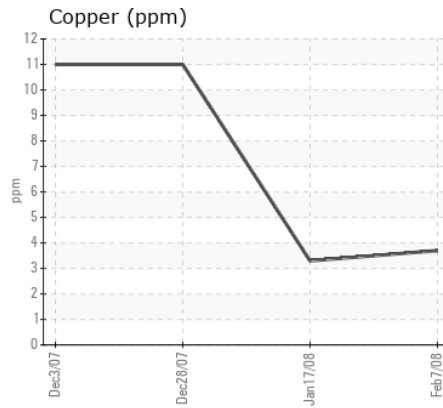
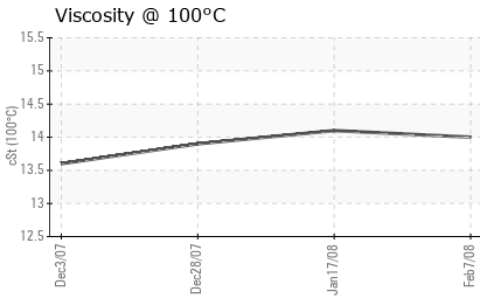
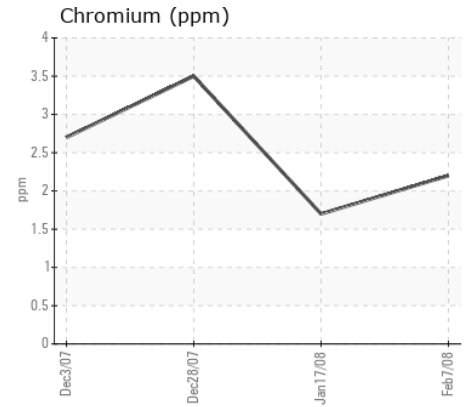
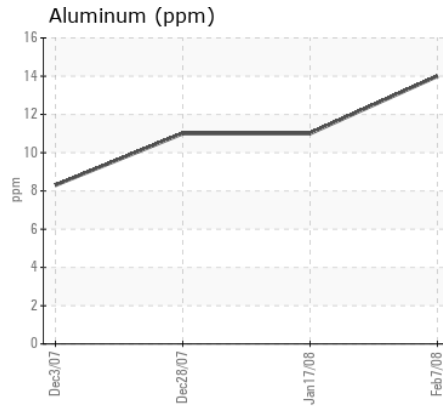
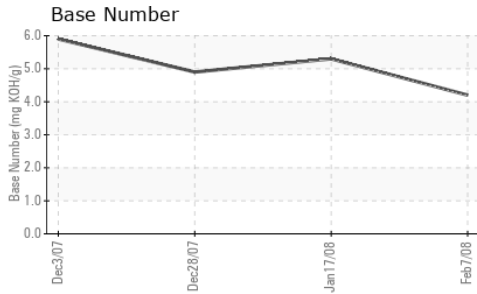
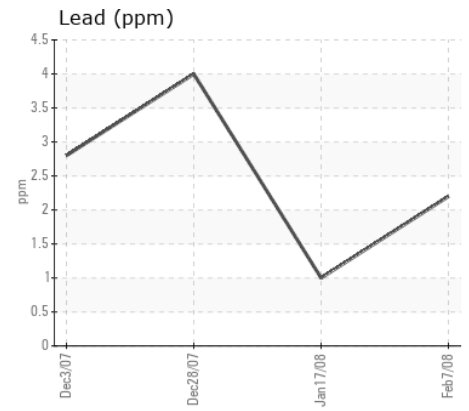
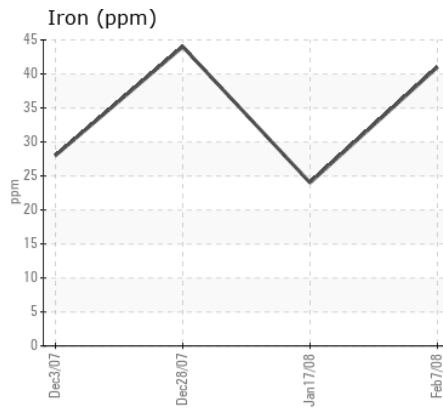
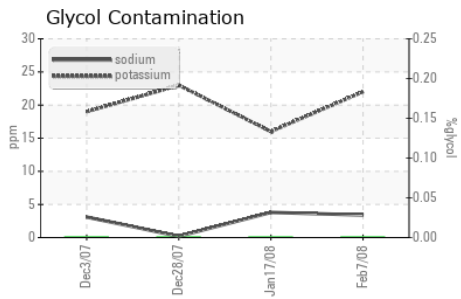
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185(m)		<b>15</b>	14	38
Potassium	ppm	ASTM D5185(m)		<b>22</b>	16	23
Fuel		WC Method		<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method		<b>NEG</b>	NEG	NEG
Glycol	%	ASTM D7922*		<b>0.0</b>	0.0	0.0
Soot %	%	ASTM D7844*		<b>0.4</b>	0.3	0.4
Nitration	Abs/cm	ASTM D7624*		<b>11</b>	9	9
Sulfation	Abs/.1mm	ASTM D7415*		<b>24</b>	23	23
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>3</b>	4	<1
Boron	ppm	ASTM D5185(m)		<b>226</b>	284	243
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	5
Molybdenum	ppm	ASTM D5185(m)		<b>94</b>	92	84
Manganese	ppm	ASTM D5185(m)		<b>2</b>	1	4
Magnesium	ppm	ASTM D5185(m)		<b>338</b>	330	432
Calcium	ppm	ASTM D5185(m)		<b>1748</b>	1800	1727
Phosphorus	ppm	ASTM D5185(m)		<b>1117</b>	1148	1152
Zinc	ppm	ASTM D5185(m)		<b>1359</b>	1369	1434
Sulfur	ppm	ASTM D5185(m)		<b>2760</b>	2856	2871
Oxidation	Abs/.1mm	ASTM D7414*		<b>21</b>	19	20
Base Number (BN)	mg KOH/g	ASTM D2896*		<b>4.2</b>	5.3	4.9
Visc @ 100°C	cSt	ASTM D7279(m)		<b>14.0</b>	14.1	13.9



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : KL0001905 **Received** : 25 Feb 2008  
**Lab Number** : 01444819 **Tested** : 25 Feb 2008  
**Unique Number** : 2607595 **Diagnosed** :  
**Test Package** : MOB1+ ( Additional Tests: Glycol )

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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