



# CONSTRUCTION EQUIPMENT

636308-01 VOLVO 6157 - REAR AXLE



**Sample No:** VCE187696  
**Oil Type:** VOLVO SUPER WET BRAKE TRANSAXLE OIL WB102  
**Job No:** 636308-01



## SAMPLE INFORMATION

Sample Number	<b>VCE187696</b>	VCP123023	VCP076970	---
Sample Date	<b>19 Jun 2013</b>	09 Dec 2011	21 Mar 2011	---
Machine Hours	<b>8157</b>	5932	5000	---
Oil Hours	<b>0</b>	0	1000	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

**RIDEAU BULK TERMINALS**  
 6960 4TH LINE ROAD,, OLD HWY 16  
 KEMPTVILLE, ON  
 CA K0G 1J0  
 Contact: Mark Yelle  
 myelle@rideaubulk.com  
 T: (613)489-1440  
 F: (613)489-1428



## OIL CONDITION

Visc @ 40°C	cSt	<b>42.2</b>	52.8	54.4	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>12</b>	16	15	---
Sodium	ppm	<b>2</b>	2	3	---
Potassium	ppm	<b>0</b>	<1	1	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>42</b>	73	109	---
Copper	ppm	<b>&lt;1</b>	<1	<1	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>&lt;1</b>	<1	<1	---
Chromium	ppm	<b>&lt;1</b>	1	2	---
Molybdenum	ppm	<b>0</b>	<1	<1	---
Nickel	ppm	<b>0</b>	<1	<1	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>0</b>	<1	0	---
Manganese	ppm	<b>&lt;1</b>	<1	2	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>4232</b>	3757	3844	---
Magnesium	ppm	<b>14</b>	13	15	---
Zinc	ppm	<b>1790</b>	1401	1594	---
Phosphorus	ppm	<b>1436</b>	1106	1321	---
Barium	ppm	<b>&lt;1</b>	0	0	---
Boron	ppm	<b>121</b>	102	110	---

**Depot:** RIDNOR  
**Unique No:** 3739277  
**Signed:** Wes Davis  
**Report Date:** 21 Jun 2013

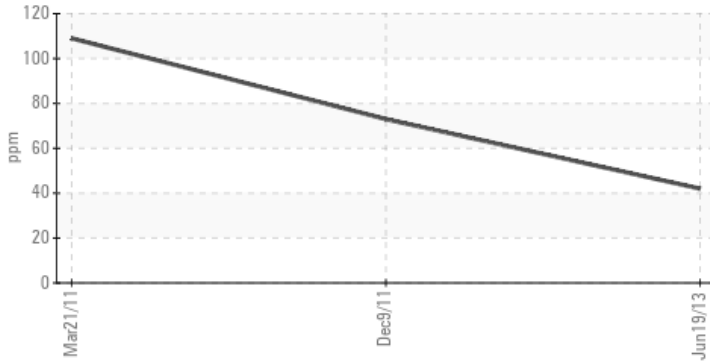


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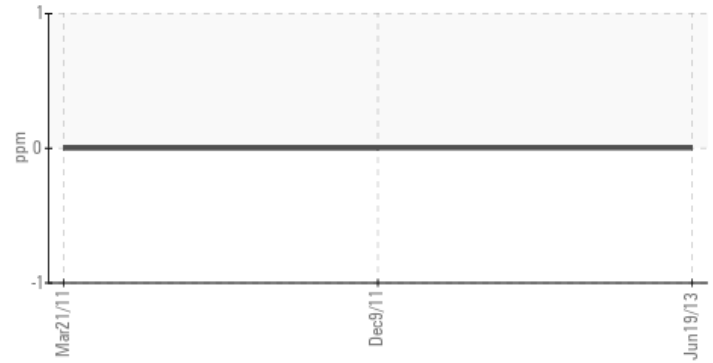


## GRAPHS

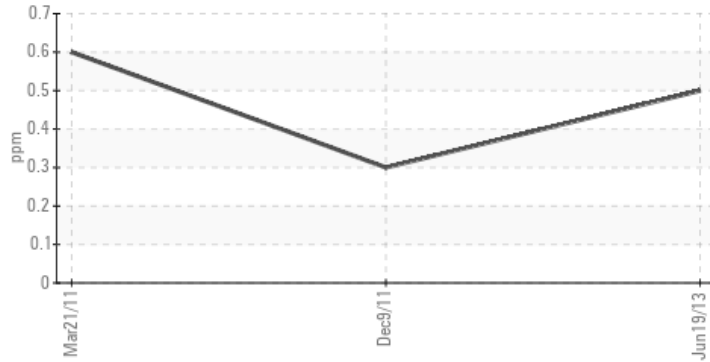
### Iron (ppm)



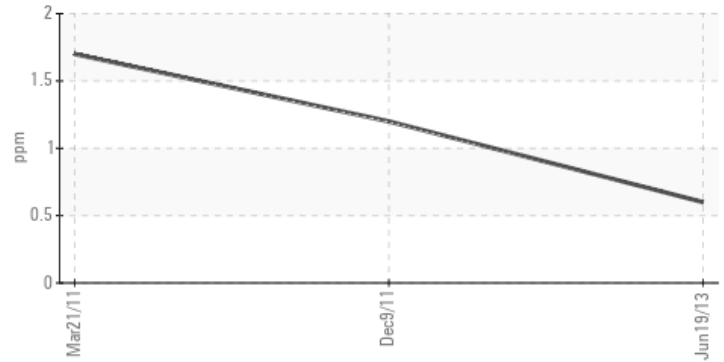
### Lead (ppm)



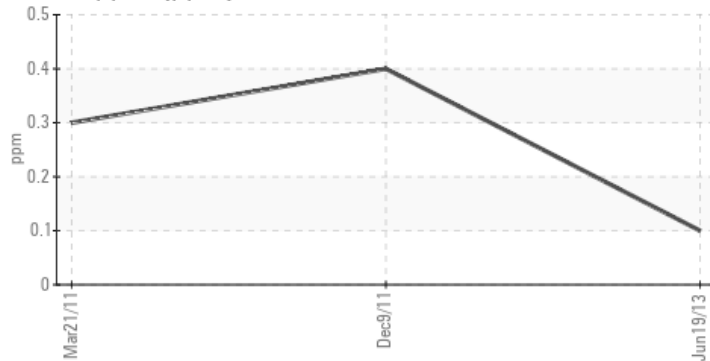
### Aluminum (ppm)



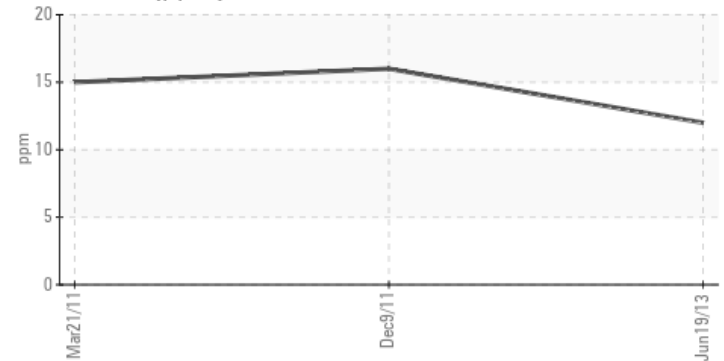
### Chromium (ppm)



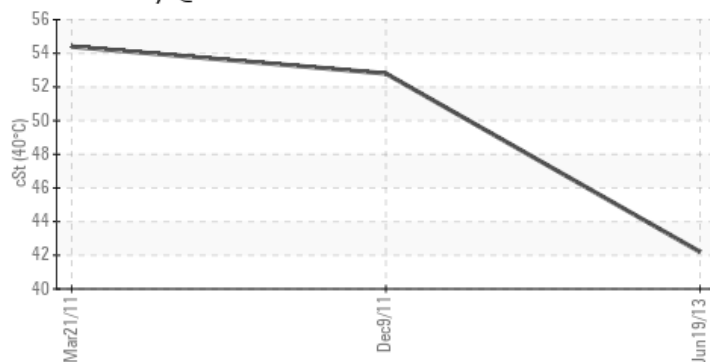
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

