



# CONSTRUCTION EQUIPMENT

## VOLVO L45B 1952243 - REAR AXLE



**Sample No:** VCP086943

**Oil Type:** {unknown}

**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP086943	---	---	---
Sample Date	22 Oct 2009	---	---	---
Machine Hours	343	---	---	---
Oil Hours	343	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

**ALTA EQUIPMENT COMPANY - METRO WEST**  
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### OIL CONDITION

Visc @ 40°C	cSt	72.31	---	---	---
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### CONTAMINATION

Water	%	▲ 2.73	---	---	---
Silicon	ppm	▲ 51	---	---	---
Sodium	ppm	■ 7	---	---	---
Potassium	ppm	■ 3	---	---	---

### Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high concentration of water present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	■ 111	---	---	---
Copper	ppm	■ 12	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	4	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	14	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	3042	---	---	---
Magnesium	ppm	8	---	---	---
Zinc	ppm	1370	---	---	---
Phosphorus	ppm	1218	---	---	---
Barium	ppm	4	---	---	---
Boron	ppm	84	---	---	---

**Depot:** VOLVO2990  
**Unique No:** 4997969  
**Signed:** Jonathan Hester  
**Report Date:** 28 Oct 2009



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## GRAPHS

