



# CONSTRUCTION EQUIPMENT

## NO UNIT - REAR RIGHT FINAL DRIVE



**Sample No:** VCP163628  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP163628	---	---	---
Sample Date	26 Aug 2014	---	---	---
Machine Hours	0	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### STRONGCO EQUIPMENT

255 BAIG BOULEVARD  
 MONCTON, NB  
 CA E1E 1E1  
 Contact: Robert Gauvin  
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 T: (506)857-8425  
 F: (506)851-0851



### OIL CONDITION

Visc @ 40°C	cSt	█ 157	---	---	---
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### CONTAMINATION

Silicon	ppm	▲ 113	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 7	---	---	---



### WEAR METALS

Iron	ppm	█ 453	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	▲ 24	---	---	---
Chromium	ppm	█ 9	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 6	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	6	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	█ 9	---	---	---
Phosphorus	ppm	460	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	3	---	---	---

### Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample. Aluminum ppm levels are noted. All other component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** SHE255MON  
**Unique No:** 3966414  
**Signed:** Kevin Marson  
**Report Date:** 27 Aug 2014



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## GRAPHS

