



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 342256 - DROP BOX



**Sample No:** VCP260372  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP260372	---	---	---
Sample Date	01 Apr 2020	---	---	---
Machine Hours	4000	---	---	---
Oil Hours	4000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**Strongco Equipment**  
 5179 Fountain St N.  
 Breslau, ON  
 CA N0B 1M0  
 Contact: Matt Crisci  
 mcrisci@strongco.com  
 T: (519)744-3518  
 F: (519)744-3284



### OIL CONDITION

Visc @ 40°C	cSt	▲ 50.2	---	---	---
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### CONTAMINATION

Silicon	ppm	■ 36	---	---	---
Sodium	ppm	■ 10	---	---	---
Potassium	ppm	■ 16	---	---	---



### WEAR METALS

PQ		■ 56	---	---	---
Iron	ppm	■ 674	---	---	---
Copper	ppm	■ 10	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 10	---	---	---
Chromium	ppm	■ 7	---	---	---
Molybdenum	ppm	■ 4	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 9	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	■ 93	---	---	---
Magnesium	ppm	■ 43	---	---	---
Zinc	ppm	167	---	---	---
Phosphorus	ppm	2451	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 52	---	---	---

### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 75W80 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

**Depot:** CASKIT  
**Unique No:** 5032239  
**Signed:** Kevin Marson  
**Report Date:** 14 Apr 2020



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## GRAPHS

