



# CONSTRUCTION EQUIPMENT

CBM 369835 VOLVO A40G 353281 - FRONT AXLE



**Sample No:** VCP380241  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 369835



## SAMPLE INFORMATION

Sample Number	VCP380241	---	---	---
Sample Date	23 Jun 2023	---	---	---
Machine Hours	1000	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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

## OIL CONDITION

Visc @ 40°C	cSt	50.4	---	---	---
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## CONTAMINATION

Silicon	ppm	4	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	5	---	---	---

## WEAR METALS

Iron	ppm	310	---	---	---
Copper	ppm	1	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	5	---	---	---
Molybdenum	ppm	4	---	---	---
Nickel	ppm	1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	11	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	19	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	13	---	---	---
Phosphorus	ppm	2455	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	247	---	---	---

**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:** 5604136  
**Signed:** Kevin Marson  
**Report Date:** 29 Jun 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

