



# CONSTRUCTION EQUIPMENT

ST MARYS 374470 VOLVO A40G 353338 - DIESEL ENGINE



**Sample No:** VCP394635  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 374470



## SAMPLE INFORMATION

Sample Number	VCP394635	---	---	---
Sample Date	16 Aug 2023	---	---	---
Machine Hours	1000	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### Strongco Equipment

5179 Fountain St N.  
Breslau, ON  
CA N0B 1M0  
Contact: Nick Sanders  
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T: (519)744-3518  
F: (519)744-3284



## OIL CONDITION

Visc @ 100°C	cSt	10.8	---	---	---
Oxidation (PA)	%	74	---	---	---



## CONTAMINATION

Soot %	%	0.3	---	---	---
Nitration (PA)	%	82	---	---	---
Sulfation (PA)	%	68	---	---	---
Glycol	%	0.0	---	---	---
Fuel	%	0.9	---	---	---
Silicon	ppm	31	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	3	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Metal levels are typical for a components first oil change. Fuel content negligible. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	36	---	---	---
Copper	ppm	161	---	---	---
Lead	ppm	4	---	---	---
Tin	ppm	4	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	62	---	---	---
Nickel	ppm	2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	1772	---	---	---
Magnesium	ppm	383	---	---	---
Zinc	ppm	1195	---	---	---
Phosphorus	ppm	1003	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	30	---	---	---

**Depot:** CASKIT  
**Unique No:** 5629736  
**Signed:** Kevin Marson  
**Report Date:** 21 Aug 2023



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## GRAPHS

