



# CONSTRUCTION EQUIPMENT

## SWA259158 RENTAL VOLVO A45GFS 342484 - DIESEL ENGINE



**Sample No:** VCP396711  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SWA259158 RENTAL



### SAMPLE INFORMATION

Sample Number	<b>VCP396711</b>	VCP403216	---	---
Sample Date	<b>13 May 2023</b>	02 Mar 2023	---	---
Machine Hours	<b>9687</b>	9039	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

**ALTA CONSTRUCTION EQUIPMENT**  
613 E STEVENSON RD  
OTTAWA, IL  
US 61350  
Contact: KEVIN SKRTICH  
KEVIN.SKRTICH@ALTAEQUIPMENT.COM  
T:  
F:



### OIL CONDITION

Visc @ 100°C	cSt	<b>13.3</b>	13.3	---	---
Base Number (BN)	mg KOH/g	<b>8.2</b>	9.0	---	---
Oxidation (PA)	%	<b>58</b>	57	---	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



### CONTAMINATION

Soot %	%	<b>0.4</b>	0.4	---	---
Nitration (PA)	%	<b>68</b>	61	---	---
Sulfation (PA)	%	<b>52</b>	53	---	---
Glycol	%	<b>NEG</b>	NEG	---	---
Fuel	%	<b>&lt;1.0</b>	<1.0	---	---
Silicon	ppm	<b>4</b>	3	---	---
Sodium	ppm	<b>0</b>	<1	---	---
Potassium	ppm	<b>2</b>	0	---	---



### WEAR METALS

Iron	ppm	<b>10</b>	5	---	---
Copper	ppm	<b>&lt;1</b>	<1	---	---
Lead	ppm	<b>&lt;1</b>	0	---	---
Tin	ppm	<b>&lt;1</b>	0	---	---
Aluminum	ppm	<b>3</b>	1	---	---
Chromium	ppm	<b>&lt;1</b>	<1	---	---
Molybdenum	ppm	<b>78</b>	57	---	---
Nickel	ppm	<b>1</b>	0	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>&lt;1</b>	<1	---	---
Manganese	ppm	<b>&lt;1</b>	<1	---	---
Vanadium	ppm	<b>0</b>	<1	---	---



### ADDITIVES

Calcium	ppm	<b>1329</b>	1016	---	---
Magnesium	ppm	<b>1178</b>	936	---	---
Zinc	ppm	<b>1530</b>	1248	---	---
Phosphorus	ppm	<b>1317</b>	972	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>0</b>	0	---	---

**Depot:** VOLVO5055  
**Unique No:** 10589090  
**Signed:** Wes Davis  
**Report Date:** 08 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

