



# CONSTRUCTION EQUIPMENT

## 730409 RENTALS VOLVO A25G 752678 - DIESEL ENGINE



**Sample No:** VCP447009  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 730409 RENTALS



### SAMPLE INFORMATION

Sample Number	<b>VCP447009</b>	VCP437739	VCP440256	---
Sample Date	<b>08 Jul 2024</b>	15 Feb 2024	06 Oct 2023	---
Machine Hours	<b>2073</b>	1447	803	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	N/A	Changed	---
Sample Status	<b>NORMAL</b>	ATTENTION	ATTENTION	---

### ALTA EQUIPMENT COMPANY

5210 REESE ROAD  
 DAVIE, FL  
 US 33314

Contact: Yoan Borrego  
 yoan.borrego@altg.com  
 T: 1(954)540-3817  
 F: (954)583-0318



### OIL CONDITION

Visc @ 100°C	cSt	<b>12.6</b>	12.4	11.0	---
Base Number (BN)	mg KOH/g	<b>8.2</b>	6.6	5.8	---
Oxidation (PA)	%	<b>80</b>	65	62	---

### 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

Water	%	<b>NEG</b>	NEG	NEG	---
Soot %	%	<b>0.5</b>	0.2	0.4	---
Nitration (PA)	%	<b>73</b>	64	80	---
Sulfation (PA)	%	<b>62</b>	55	55	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	0.4	---
Silicon	ppm	<b>7</b>	11	57	---
Sodium	ppm	<b>4</b>	2	3	---
Potassium	ppm	<b>1</b>	0	1	---



### WEAR METALS

Iron	ppm	<b>16</b>	15	26	---
Copper	ppm	<b>20</b>	69	254	---
Lead	ppm	<b>0</b>	<1	0	---
Tin	ppm	<b>&lt;1</b>	<1	3	---
Aluminum	ppm	<b>3</b>	2	2	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>47</b>	47	76	---
Nickel	ppm	<b>4</b>	2	2	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>&lt;1</b>	<1	2	---
Manganese	ppm	<b>2</b>	<1	4	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>1645</b>	1801	1989	---
Magnesium	ppm	<b>449</b>	467	96	---
Zinc	ppm	<b>1067</b>	1222	1078	---
Phosphorus	ppm	<b>895</b>	994	912	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>20</b>	23	22	---

**Depot:** VOLVO0095  
**Unique No:** 11127594  
**Signed:** Wes Davis  
**Report Date:** 18 Jul 2024



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## GRAPHS

