



# CONSTRUCTION EQUIPMENT

## 635050 ALTA RENTS VOLVO A25G 752294 - DIESEL ENGINE



**Sample No:** VCP432398  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 635050 ALTA RENTS



### SAMPLE INFORMATION

Sample Number	<b>VCP432398</b>	VCP410382	VCP332734	---
Sample Date	<b>06 Dec 2023</b>	13 Apr 2023	03 Mar 2022	---
Machine Hours	<b>0</b>	2143	515	---
Oil Hours	<b>0</b>	500	515	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	---

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### OIL CONDITION

Visc @ 100°C	cSt	<b>12.9</b>	12.5	▲ 11.2	---
Base Number (BN)	mg KOH/g	<b>7.6</b>	8.2	7.8	---
Oxidation (PA)	%	<b>79</b>	79	69	---

### 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>0.7</b>	0.4	0.2	---
Nitration (PA)	%	<b>78</b>	68	74	---
Sulfation (PA)	%	<b>61</b>	58	59	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	0.2	---
Silicon	ppm	<b>6</b>	4	34	---
Sodium	ppm	<b>28</b>	3	1	---
Potassium	ppm	<b>1</b>	0	6	---



### WEAR METALS

Iron	ppm	<b>8</b>	13	22	---
Copper	ppm	<b>&lt;1</b>	4	▲ 332	---
Lead	ppm	<b>0</b>	0	<1	---
Tin	ppm	<b>0</b>	<1	4	---
Aluminum	ppm	<b>2</b>	2	2	---
Chromium	ppm	<b>0</b>	<1	<1	---
Molybdenum	ppm	<b>57</b>	40	60	---
Nickel	ppm	<b>0</b>	2	2	---
Titanium	ppm	<b>0</b>	<1	2	---
Silver	ppm	<b>0</b>	0	1	---
Manganese	ppm	<b>&lt;1</b>	1	5	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>1080</b>	1567	1842	---
Magnesium	ppm	<b>920</b>	475	387	---
Zinc	ppm	<b>1233</b>	1070	1283	---
Phosphorus	ppm	<b>1017</b>	868	1075	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>1</b>	24	62	---

**Depot:** VOLVO0096  
**Unique No:** 10777254  
**Signed:** Don Baldrige  
**Report Date:** 09 Dec 2023



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## GRAPHS

