



# CONSTRUCTION EQUIPMENT

## VOLVO A25G 740250 - DIESEL ENGINE



**Sample No:** VCP437593  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP437593</b>	VCP434826	VCP412170	VCP419457
Sample Date	<b>26 Feb 2024</b>	08 Nov 2023	28 Aug 2023	19 Jun 2023
Machine Hours	<b>6109</b>	5775	5525	5278
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ALTA EQUIPMENT COMPANY**  
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### OIL CONDITION

Visc @ 100°C	cSt	<b>11.7</b>	12.0	11.7	11.9
Base Number (BN)	mg KOH/g	<b>9.4</b>	9.8	9.2	9.7
Oxidation (PA)	%	<b>79</b>	80	77	76

### 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. Confirm oil type. The condition of the oil is suitable for further service.



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.1</b>	0.1	0.2	0.2
Nitration (PA)	%	<b>59</b>	58	71	62
Sulfation (PA)	%	<b>58</b>	60	59	59
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>4</b>	4	4	3
Sodium	ppm	<b>2</b>	<1	3	2
Potassium	ppm	<b>&lt;1</b>	0	0	<1



### WEAR METALS

Iron	ppm	<b>2</b>	2	7	5
Copper	ppm	<b>&lt;1</b>	0	1	2
Lead	ppm	<b>&lt;1</b>	0	0	1
Tin	ppm	<b>&lt;1</b>	<1	<1	<1
Aluminum	ppm	<b>2</b>	1	1	0
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>43</b>	47	48	46
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	0	<1	1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>1632</b>	1594	1740	1692
Magnesium	ppm	<b>504</b>	525	618	592
Zinc	ppm	<b>1143</b>	1103	1158	1088
Phosphorus	ppm	<b>938</b>	922	951	914
Barium	ppm	<b>0</b>	0	0	4
Boron	ppm	<b>43</b>	45	34	46

**Depot:** VOLVO0090  
**Unique No:** 10903181  
**Signed:** Jonathan Hester  
**Report Date:** 05 Mar 2024



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## GRAPHS

