



# CONSTRUCTION EQUIPMENT

X37245 VOLVO A25G 752205 - DIESEL ENGINE



**Sample No:** VCP414311  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** X37245



## SAMPLE INFORMATION

Sample Number	<b>VCP414311</b>	VCP386993	VCP375131	---
Sample Date	<b>11 Oct 2023</b>	09 Mar 2023	07 Jul 2022	---
Machine Hours	<b>0</b>	4631	2000	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	N/A	N/A	---
Sample Status	<b>NORMAL</b>	ATTENTION	ABNORMAL	---

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## OIL CONDITION

Visc @ 100°C	cSt	<b>12.6</b>	12.3	12.2	---
Base Number (BN)	mg KOH/g	<b>10.7</b>	10.5	8.3	---
Oxidation (PA)	%	<b>81</b>	80	83	---

## 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>0.1</b>	0.2	0.3	---
Nitration (PA)	%	<b>49</b>	56	79	---
Sulfation (PA)	%	<b>62</b>	61	61	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	0.7	---
Silicon	ppm	<b>4</b>	4	8	---
Sodium	ppm	<b>3</b>	2	2	---
Potassium	ppm	<b>2</b>	0	0	---



## WEAR METALS

Iron	ppm	<b>4</b>	4	17	---
Copper	ppm	<b>1</b>	1	437	---
Lead	ppm	<b>0</b>	0	5	---
Tin	ppm	<b>&lt;1</b>	0	3	---
Aluminum	ppm	<b>2</b>	<1	2	---
Chromium	ppm	<b>&lt;1</b>	0	<1	---
Molybdenum	ppm	<b>39</b>	40	42	---
Nickel	ppm	<b>&lt;1</b>	0	<1	---
Titanium	ppm	<b>&lt;1</b>	0	<1	---
Silver	ppm	<b>0</b>	<1	2	---
Manganese	ppm	<b>0</b>	1	1	---
Vanadium	ppm	<b>&lt;1</b>	<1	0	---



## ADDITIVES

Calcium	ppm	<b>1561</b>	1609	1563	---
Magnesium	ppm	<b>487</b>	506	516	---
Zinc	ppm	<b>1120</b>	1115	1079	---
Phosphorus	ppm	<b>946</b>	882	885	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>52</b>	44	21	---

**Depot:** DIPMED  
**Unique No:** 10712813  
**Signed:** Wes Davis  
**Report Date:** 27 Oct 2023



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## GRAPHS

