



# CONSTRUCTION EQUIPMENT

## VOLVO A30G 752360 - DIESEL ENGINE



**Sample No:** VCP449516  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP449516</b>	VCP0007528	VCP386613	---
Sample Date	<b>15 Jul 2024</b>	12 Jul 2023	01 Dec 2022	---
Machine Hours	<b>3571</b>	0	1674	---
Oil Hours	<b>0</b>	0	500	---
Oil Changed	<b>Changed</b>	N/A	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	---

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### OIL CONDITION

Visc @ 100°C	cSt	<b>13.3</b>	12.5	12.9	---
Base Number (BN)	mg KOH/g	<b>5.9</b>	8.8	11.0	---
Oxidation (PA)	%	<b>97</b>	82	88	---

### 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>0.8</b>	0.4	0.2	---
Nitration (PA)	%	<b>101</b>	71	65	---
Sulfation (PA)	%	<b>73</b>	61	69	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	---
Silicon	ppm	<b>5</b>	6	5	---
Sodium	ppm	<b>4</b>	2	2	---
Potassium	ppm	<b>0</b>	<1	2	---



### WEAR METALS

Iron	ppm	<b>41</b>	14	8	---
Copper	ppm	<b>24</b>	7	36	---
Lead	ppm	<b>&lt;1</b>	<1	<1	---
Tin	ppm	<b>&lt;1</b>	2	1	---
Aluminum	ppm	<b>6</b>	2	0	---
Chromium	ppm	<b>1</b>	<1	<1	---
Molybdenum	ppm	<b>48</b>	62	43	---
Nickel	ppm	<b>&lt;1</b>	1	0	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	<1	0	---
Manganese	ppm	<b>1</b>	1	<1	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>1650</b>	1861	1793	---
Magnesium	ppm	<b>618</b>	526	499	---
Zinc	ppm	<b>1145</b>	1237	1157	---
Phosphorus	ppm	<b>913</b>	1002	975	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>7</b>	31	45	---

**Depot:** VOLVO0090  
**Unique No:** 11130123  
**Signed:** Wes Davis  
**Report Date:** 20 Jul 2024



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## GRAPHS

