



# CONSTRUCTION EQUIPMENT

## SW-35462-2 AMCOR VOLVO L110H 632720 - DIESEL ENGINE



**Sample No:** VCP454320  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** SW-35462-2 AMCOR



### SAMPLE INFORMATION

Sample Number	<b>VCP454320</b>	VCP446821	VCP324501	VCP438069
Sample Date	<b>31 May 2024</b>	08 Apr 2024	22 Feb 2024	11 Jan 2024
Machine Hours	<b>3119</b>	2388	1792	1250
Oil Hours	<b>730</b>	550	500	1250
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 100°C	cSt	<b>13.6</b>	13.4	13.3	13.1
Base Number (BN)	mg KOH/g	<b>6.8</b>	7.1	8.1	9.1
Oxidation (PA)	%	<b>45</b>	47	51	73

### 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	NEG
Soot %	%	<b>0.5</b>	0.3	0.3	0.4
Nitration (PA)	%	<b>60</b>	59	58	63
Sulfation (PA)	%	<b>52</b>	50	49	59
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>5</b>	5	4	12
Sodium	ppm	<b>1</b>	<1	<1	4
Potassium	ppm	<b>2</b>	2	1	2



### WEAR METALS

Iron	ppm	<b>15</b>	10	11	37
Copper	ppm	<b>11</b>	5	7	32
Lead	ppm	<b>2</b>	1	2	5
Tin	ppm	<b>1</b>	2	1	4
Aluminum	ppm	<b>3</b>	4	6	25
Chromium	ppm	<b>&lt;1</b>	<1	<1	2
Molybdenum	ppm	<b>19</b>	33	41	44
Nickel	ppm	<b>0</b>	<1	<1	0
Titanium	ppm	<b>1</b>	1	<1	<1
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	2
Vanadium	ppm	<b>&lt;1</b>	<1	<1	<1



### ADDITIVES

Calcium	ppm	<b>2394</b>	1972	1505	1482
Magnesium	ppm	<b>216</b>	403	593	729
Zinc	ppm	<b>1236</b>	1181	1193	1242
Phosphorus	ppm	<b>1020</b>	1010	958	1064
Barium	ppm	<b>0</b>	0	0	12
Boron	ppm	<b>11</b>	22	16	28

**Depot:** VOLVO8770  
**Unique No:** 11071679  
**Signed:** Wes Davis  
**Report Date:** 11 Jun 2024



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## GRAPHS

