



# CONSTRUCTION EQUIPMENT

## SPM552295 VOLVO EC330C 110079 - DIESEL ENGINE



**Sample No:** VCP419528  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM552295



### SAMPLE INFORMATION

Sample Number	<b>VCP419528</b>	VCP404065	VCP291127	---
Sample Date	<b>04 May 2023</b>	10 Jan 2023	06 Nov 2020	---
Machine Hours	<b>15629</b>	15318	14477	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	ABNORMAL	ABNORMAL	---

**WASTE MANAGEMENT - GARY**  
 1508 SHERMAN ST  
 GARY, IN  
 US 46406  
 Contact: TARA RORK



### OIL CONDITION

Visc @ 100°C	cSt	<b>12.7</b>	11.9	12.3	---
Base Number (BN)	mg KOH/g	<b>9.5</b>	8.5	---	---
Oxidation (PA)	%	<b>58</b>	62	63	---

T:  
F:

### 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>0.6</b>	1.1	0.8	---
Nitration (PA)	%	<b>58</b>	78	63	---
Sulfation (PA)	%	<b>57</b>	58	59	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	3.7	4.8	---
Silicon	ppm	<b>14</b>	23	11	---
Sodium	ppm	<b>3</b>	3	13	---
Potassium	ppm	<b>3</b>	2	6	---



### WEAR METALS

Iron	ppm	<b>22</b>	51	40	---
Copper	ppm	<b>2</b>	11	33	---
Lead	ppm	<b>0</b>	<1	3	---
Tin	ppm	<b>0</b>	0	<1	---
Aluminum	ppm	<b>&lt;1</b>	1	0	---
Chromium	ppm	<b>0</b>	<1	<1	---
Molybdenum	ppm	<b>58</b>	59	61	---
Nickel	ppm	<b>&lt;1</b>	2	1	---
Titanium	ppm	<b>&lt;1</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	<1	<1	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>1142</b>	1044	987	---
Magnesium	ppm	<b>948</b>	878	869	---
Zinc	ppm	<b>1267</b>	1117	1154	---
Phosphorus	ppm	<b>1023</b>	937	958	---
Barium	ppm	<b>0</b>	0	<1	---
Boron	ppm	<b>12</b>	4	<1	---

**Depot:** WASGARIN  
**Unique No:** 10472472  
**Signed:** Wes Davis  
**Report Date:** 16 May 2023



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## GRAPHS

