



# CONSTRUCTION EQUIPMENT

CANNINGTON 8-377628 VOLVO EC220E 314324 - DIESEL ENGINE



**Sample No:** VCP394804  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** 8-377628



## SAMPLE INFORMATION

Sample Number	<b>VCP394804</b>	VCP352382	VCP334354	---
Sample Date	<b>10 Oct 2023</b>	20 Sep 2022	12 Nov 2021	---
Machine Hours	<b>1666</b>	505	482	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

### STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD  
MISSISSAUGA, ON  
CA L4W 4L4

Contact: Janice Cripps  
jcripps@strongco.com  
T: (905)565-3876  
F: (905)670-2338



## OIL CONDITION

Visc @ 100°C	cSt	<b>13.2</b>	12.9	13.1	---
Oxidation (PA)	%	<b>87</b>	86	49	---



## CONTAMINATION

Soot %	%	<b>0</b>	0	0	---
Nitration (PA)	%	<b>73</b>	67	62	---
Sulfation (PA)	%	<b>63</b>	64	53	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	---
Silicon	ppm	<b>11</b>	16	16	---
Sodium	ppm	<b>3</b>	4	3	---
Potassium	ppm	<b>&lt;1</b>	<1	4	---

### 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 condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>29</b>	31	17	---
Copper	ppm	<b>2</b>	2	7	---
Lead	ppm	<b>&lt;1</b>	<1	1	---
Tin	ppm	<b>&lt;1</b>	<1	2	---
Aluminum	ppm	<b>9</b>	5	3	---
Chromium	ppm	<b>1</b>	1	1	---
Molybdenum	ppm	<b>41</b>	36	3	---
Nickel	ppm	<b>1</b>	2	5	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>&lt;1</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	1	3	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>1849</b>	1831	2325	---
Magnesium	ppm	<b>492</b>	464	105	---
Zinc	ppm	<b>1163</b>	1071	1106	---
Phosphorus	ppm	<b>981</b>	1001	1010	---
Barium	ppm	<b>&lt;1</b>	0	<1	---
Boron	ppm	<b>30</b>	30	12	---

**Depot:** SHEMIS  
**Unique No:** 5657650  
**Signed:** Wes Davis  
**Report Date:** 12 Oct 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

