



# CONSTRUCTION EQUIPMENT

LAKESIDE 8-380418 VOLVO ECR88D 217414 - DIESEL ENGINE



**Sample No:** VCP392264  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** 8-380418



## SAMPLE INFORMATION

Sample Number	<b>VCP392264</b>	VCP391925	VCP353025	---
Sample Date	<b>04 Oct 2023</b>	27 Jun 2023	03 Oct 2022	---
Machine Hours	<b>1535</b>	1118	575	---
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

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## OIL CONDITION

Visc @ 100°C	cSt	<b>13.4</b>	13.2	13.4	---
Oxidation (PA)	%	<b>86</b>	89	53	---



## CONTAMINATION

Soot %	%	<b>0</b>	0.1	0	---
Nitration (PA)	%	<b>63</b>	73	64	---
Sulfation (PA)	%	<b>64</b>	66	55	---
Glycol	%	<b>NEG</b>	NEG	0.0	---
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	---
Silicon	ppm	<b>7</b>	6	11	---
Sodium	ppm	<b>3</b>	4	5	---
Potassium	ppm	<b>&lt;1</b>	<1	2	---

### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

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>9</b>	14	19	---
Copper	ppm	<b>3</b>	24	188	---
Lead	ppm	<b>&lt;1</b>	<1	4	---
Tin	ppm	<b>0</b>	<1	<1	---
Aluminum	ppm	<b>2</b>	3	2	---
Chromium	ppm	<b>&lt;1</b>	1	1	---
Molybdenum	ppm	<b>41</b>	39	6	---
Nickel	ppm	<b>0</b>	<1	<1	---
Titanium	ppm	<b>0</b>	0	<1	---
Silver	ppm	<b>&lt;1</b>	0	0	---
Manganese	ppm	<b>0</b>	<1	3	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>1737</b>	1857	2471	---
Magnesium	ppm	<b>511</b>	485	56	---
Zinc	ppm	<b>1119</b>	1136	1004	---
Phosphorus	ppm	<b>945</b>	1015	913	---
Barium	ppm	<b>&lt;1</b>	<1	4	---
Boron	ppm	<b>35</b>	35	5	---

**Depot:** SHEMIS  
**Unique No:** 5657651  
**Signed:** Wes Davis  
**Report Date:** 12 Oct 2023



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## GRAPHS

