



# CONSTRUCTION EQUIPMENT

CANNINGTON 8-394535 VOLVO ECR305C 110771 (S/N 10217) - DIESEL ENGINE



**Sample No:** VCP449310  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** 8-394535



## SAMPLE INFORMATION

Sample Number	<b>VCP449310</b>	VCP394508	VCP347060	VCP333774
Sample Date	<b>23 Feb 2024</b>	22 Aug 2023	08 Sep 2022	17 Dec 2021
Machine Hours	<b>4690</b>	3955	3060	2520
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>N/A</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD  
MISSISSAUGA, ON  
CA L4W 4L4

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## OIL CONDITION

Visc @ 100°C	cSt	<b>15.3</b>	13.4	14.1	13.3
Oxidation (PA)	%	<b>91</b>	82	82	27



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>1.6</b>	0.5	0.7	0
Nitration (PA)	%	<b>89</b>	58	71	26
Sulfation (PA)	%	<b>74</b>	69	68	40
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>5</b>	7	10	8
Sodium	ppm	<b>3</b>	3	4	3
Potassium	ppm	<b>9</b>	<1	2	1

### 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>26</b>	10	23	9
Copper	ppm	<b>1</b>	1	8	43
Lead	ppm	<b>1</b>	0	<1	1
Tin	ppm	<b>&lt;1</b>	0	<1	<1
Aluminum	ppm	<b>2</b>	1	3	2
Chromium	ppm	<b>1</b>	<1	1	<1
Molybdenum	ppm	<b>45</b>	43	41	38
Nickel	ppm	<b>&lt;1</b>	0	<1	<1
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>0</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1991</b>	1726	1947	1657
Magnesium	ppm	<b>560</b>	520	458	546
Zinc	ppm	<b>1259</b>	1109	1136	1117
Phosphorus	ppm	<b>1070</b>	992	1027	979
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>37</b>	49	41	55

**Depot:** SHEMIS  
**Unique No:** 5746517  
**Signed:** Wes Davis  
**Report Date:** 12 Mar 2024



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## GRAPHS

