



# CONSTRUCTION EQUIPMENT

REGION OF PEEL 8-404173 VOLVO L60H 622565 - DIESEL ENGINE



**Sample No:** VCP450371  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** 8-404173



## SAMPLE INFORMATION

Sample Number	<b>VCP450371</b>	VCP394162	VCP450310	VCP353453
Sample Date	<b>10 May 2024</b>	08 Mar 2024	05 Jan 2024	16 Jun 2023
Machine Hours	<b>6472</b>	6042	5573	4455
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD  
MISSISSAUGA, ON  
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## OIL CONDITION

Visc @ 100°C	cSt	<b>12.8</b>	12.9	13.3	13.1
Oxidation (PA)	%	<b>85</b>	85	91	81



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.2</b>	0.2	0.3	0.1
Nitration (PA)	%	<b>62</b>	63	71	58
Sulfation (PA)	%	<b>64</b>	63	66	61
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>6</b>	5	6	6
Sodium	ppm	<b>3</b>	3	2	3
Potassium	ppm	<b>1</b>	<1	<1	0

### 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>7</b>	8	12	8
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>3</b>	3	5	3
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>40</b>	40	42	35
Nickel	ppm	<b>&lt;1</b>	<1	<1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	0	0	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1743</b>	1747	1732	1785
Magnesium	ppm	<b>503</b>	511	513	450
Zinc	ppm	<b>1041</b>	1057	1094	1094
Phosphorus	ppm	<b>896</b>	884	950	983
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>33</b>	34	29	34

**Depot:** SHEMIS  
**Unique No:** 5785487  
**Signed:** Wes Davis  
**Report Date:** 17 May 2024



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## GRAPHS

