



# CONSTRUCTION EQUIPMENT

HARBOURSIDE ORGANIX INC 390101 VOLVO L150H 6415 - DIESEL ENGINE



**Sample No:** VCP392145  
**Oil Type:** VOLVO VDS-4.5 Premium Motor Oil 15W40  
**Job No:** 390101



## SAMPLE INFORMATION

Sample Number	<b>VCP392145</b>	VCP394666	VCP353471	VCP273365
Sample Date	<b>04 Jan 2024</b>	28 Jul 2023	04 Nov 2022	21 May 2021
Machine Hours	<b>4715</b>	4227	3525	2108
Oil Hours	<b>0</b>	2000	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### STRONGCO EQUIPMENT (CE)

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## OIL CONDITION

Visc @ 100°C	cSt	<b>12.5</b>	12.7	12.9	12.8
Oxidation (PA)	%	<b>80</b>	76	84	86

## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.1</b>	0.2	0.1	0.3
Nitration (PA)	%	<b>55</b>	62	60	73
Sulfation (PA)	%	<b>63</b>	61	66	67
Glycol	%	<b>0.0</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>3</b>	4	4	5
Sodium	ppm	<b>2</b>	3	2	3
Potassium	ppm	<b>16</b>	<1	<1	<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>5</b>	6	4	10
Copper	ppm	<b>1</b>	3	1	19
Lead	ppm	<b>&lt;1</b>	<1	<1	2
Tin	ppm	<b>0</b>	<1	<1	1
Aluminum	ppm	<b>1</b>	1	1	2
Chromium	ppm	<b>0</b>	0	0	<1
Molybdenum	ppm	<b>39</b>	40	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	0	<1
Manganese	ppm	<b>0</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0

## ADDITIVES

Calcium	ppm	<b>1692</b>	1644	1696	1586
Magnesium	ppm	<b>497</b>	507	511	489
Zinc	ppm	<b>1053</b>	1071	1080	1118
Phosphorus	ppm	<b>901</b>	994	1008	903
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>30</b>	29	33	22

**Depot:** VOLVO0252  
**Unique No:** 5707755  
**Signed:** Wes Davis  
**Report Date:** 05 Jan 2024



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## GRAPHS

