



# CONSTRUCTION EQUIPMENT

STELLA-JONES 8-391801 VOLVO L50H 625858 - DIESEL ENGINE



**Sample No:** VCP449335  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** 8-391801



## SAMPLE INFORMATION

Sample Number	<b>VCP449335</b>	VCP353417	VCP380476	VCP394852
Sample Date	<b>24 Jan 2024</b>	27 Oct 2023	16 Aug 2023	16 May 2023
Machine Hours	<b>7080</b>	6504	6077	5500
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	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>13.6</b>	13.5	13.9	13.4
Oxidation (PA)	%	<b>95</b>	79	91	87



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.4</b>	0.3	0.6	0.4
Nitration (PA)	%	<b>84</b>	64	78	71
Sulfation (PA)	%	<b>67</b>	61	70	66
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>5</b>	4	5	5
Sodium	ppm	<b>3</b>	3	3	3
Potassium	ppm	<b>&lt;1</b>	0	0	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>12</b>	8	11	11
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>&lt;1</b>	<1	0	<1
Tin	ppm	<b>&lt;1</b>	0	<1	<1
Aluminum	ppm	<b>4</b>	2	2	3
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>42</b>	40	41	41
Nickel	ppm	<b>&lt;1</b>	0	<1	<1
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>0</b>	0	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1794</b>	1721	1762	1836
Magnesium	ppm	<b>533</b>	500	534	538
Zinc	ppm	<b>1118</b>	1090	1159	1162
Phosphorus	ppm	<b>955</b>	908	1012	1037
Barium	ppm	<b>0</b>	<1	0	0
Boron	ppm	<b>26</b>	23	21	29

**Depot:** SHEMIS  
**Unique No:** 5723031  
**Signed:** Wes Davis  
**Report Date:** 07 Feb 2024

**VOLVO** GRAPHS

