



# CONSTRUCTION EQUIPMENT

STELLA-JONES 1001-506 VOLVO L50H 625858 - DIESEL ENGINE



**Sample No:** VCP449353  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** 1001-506



## SAMPLE INFORMATION

Sample Number	<b>VCP449353</b>	VCP449335	VCP353417	VCP380476
Sample Date	<b>14 Mar 2024</b>	24 Jan 2024	27 Oct 2023	16 Aug 2023
Machine Hours	<b>7551</b>	7080	6504	6077
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

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## OIL CONDITION

Visc @ 100°C	cSt	<b>13.4</b>	13.6	13.5	13.9
Oxidation (PA)	%	<b>90</b>	95	79	91



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.3</b>	0.4	0.3	0.6
Nitration (PA)	%	<b>74</b>	84	64	78
Sulfation (PA)	%	<b>65</b>	67	61	70
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>4</b>	5	4	5
Sodium	ppm	<b>3</b>	3	3	3
Potassium	ppm	<b>&lt;1</b>	<1	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>8</b>	12	8	11
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>0</b>	<1	<1	0
Tin	ppm	<b>0</b>	<1	0	<1
Aluminum	ppm	<b>2</b>	4	2	2
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>43</b>	42	40	41
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>0</b>	0	0	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1847</b>	1794	1721	1762
Magnesium	ppm	<b>535</b>	533	500	534
Zinc	ppm	<b>1100</b>	1118	1090	1159
Phosphorus	ppm	<b>920</b>	955	908	1012
Barium	ppm	<b>0</b>	0	<1	0
Boron	ppm	<b>27</b>	26	23	21

**Depot:** SHEMIS  
**Unique No:** 5749053  
**Signed:** Wes Davis  
**Report Date:** 22 Mar 2024



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## GRAPHS

