



# CONSTRUCTION EQUIPMENT

STELLA-JONES 8-375418 VOLVO L90H 625859 - DIESEL ENGINE



**Sample No:** VCP394503  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** 8-375418



## SAMPLE INFORMATION

Sample Number	<b>VCP394503</b>	VCP394578	VCP392105	VCP381837
Sample Date	<b>16 Aug 2023</b>	30 Jun 2023	16 May 2023	29 Mar 2023
Machine Hours	<b>6000</b>	5529	5008	4518
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>13.8</b>	13.7	13.6	13.0
Oxidation (PA)	%	<b>88</b>	88	87	88



## CONTAMINATION

Soot %	%	<b>0.4</b>	0.3	0.2	0.1
Nitration (PA)	%	<b>69</b>	70	65	71
Sulfation (PA)	%	<b>68</b>	66	66	71
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	4	5
Sodium	ppm	<b>3</b>	3	3	3
Potassium	ppm	<b>&lt;1</b>	<1	0	0



## WEAR METALS

Iron	ppm	<b>8</b>	8	8	10
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>0</b>	<1	<1	<1
Aluminum	ppm	<b>4</b>	2	3	4
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>39</b>	41	41	41
Nickel	ppm	<b>0</b>	0	<1	<1
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1719</b>	1740	1821	1854
Magnesium	ppm	<b>512</b>	527	527	526
Zinc	ppm	<b>1116</b>	1134	1153	1105
Phosphorus	ppm	<b>991</b>	1007	1040	1031
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>23</b>	25	31	36

### 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.

**Depot:** SHEMIS  
**Unique No:** 5631477  
**Signed:** Wes Davis  
**Report Date:** 25 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

