



# CONSTRUCTION EQUIPMENT

STELLA-JONES 8-373814 VOLVO L90H 625431 - DIESEL ENGINE



**Sample No:** VCP380474  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** 8-373814



## SAMPLE INFORMATION

Sample Number	<b>VCP380474</b>	VCP392092	VCP381835	VCP332574
Sample Date	<b>16 Aug 2023</b>	16 May 2023	29 Mar 2023	21 Feb 2023
Machine Hours	<b>9068</b>	5470	8017	770
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>13.4</b>	12.9	12.7	13.5
Oxidation (PA)	%	<b>88</b>	82	83	86



## CONTAMINATION

Soot %	%	<b>0.4</b>	0.2	0	0.3
Nitration (PA)	%	<b>73</b>	58	59	72
Sulfation (PA)	%	<b>68</b>	65	71	70
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>	2	3	3
Potassium	ppm	<b>0</b>	0	0	0



## WEAR METALS

Iron	ppm	<b>10</b>	7	7	14
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	<1	<1	<1
Aluminum	ppm	<b>3</b>	2	2	5
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>39</b>	39	40	42
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>0</b>	<1	<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>1699</b>	1736	1774	1854
Magnesium	ppm	<b>505</b>	503	502	516
Zinc	ppm	<b>1113</b>	1101	1067	1123
Phosphorus	ppm	<b>979</b>	1009	995	1032
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>22</b>	32	42	29

### 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:** 5631473  
**Signed:** Wes Davis  
**Report Date:** 25 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

