



# CONSTRUCTION EQUIPMENT

REGION OF PEEL 8-371246 VOLVO L60H 622563 - DIESEL ENGINE



**Sample No:** VCP392256  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** 8-371246



## SAMPLE INFORMATION

Sample Number	<b>VCP392256</b>	VCP382292	VCP353326	VCP332797
Sample Date	<b>14 Jul 2023</b>	10 Mar 2023	09 Dec 2022	02 Sep 2022
Machine Hours	<b>4030</b>	3450	3002	2485
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>13.0</b>	13.0	13.2	13.3
Oxidation (PA)	%	<b>84</b>	86	89	84



## CONTAMINATION

Soot %	%	<b>0.2</b>	0	0	0
Nitration (PA)	%	<b>64</b>	60	64	60
Sulfation (PA)	%	<b>63</b>	70	67	65
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>7</b>	6	8	7
Sodium	ppm	<b>3</b>	2	3	3
Potassium	ppm	<b>&lt;1</b>	<1	0	0



## WEAR METALS

Iron	ppm	<b>11</b>	8	9	8
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>&lt;1</b>	<1	<1	<1
Aluminum	ppm	<b>3</b>	3	3	2
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>37</b>	41	43	39
Nickel	ppm	<b>&lt;1</b>	<1	<1	0
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>1812</b>	1808	1804	1713
Magnesium	ppm	<b>478</b>	520	519	476
Zinc	ppm	<b>1115</b>	1097	1100	1076
Phosphorus	ppm	<b>996</b>	1026	1010	983
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>25</b>	38	30	23

### 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:** 5615914  
**Signed:** Wes Davis  
**Report Date:** 19 Jul 2023



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## VOLVO GRAPHS

