



# CONSTRUCTION EQUIPMENT

REGION OF PEEL 8-375956 VOLVO L60H 622566 - DIESEL ENGINE



**Sample No:** VCP391574  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** 8-375956



## SAMPLE INFORMATION

Sample Number	VCP391574	VCP352385	---	---
Sample Date	23 Aug 2023	22 Sep 2022	---	---
Machine Hours	986	517	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

### STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD  
MISSISSAUGA, ON  
CA L4W 4L4

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## OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	█ 12.4	---	---
Oxidation (PA)	%	█ 73	█ 76	---	---

## CONTAMINATION

Soot %	%	█ 0.4	█ 0.1	---	---
Nitration (PA)	%	█ 75	█ 63	---	---
Sulfation (PA)	%	█ 63	█ 63	---	---
Glycol	%	█ NEG	█ NEG	---	---
Fuel	%	█ <1.0	█ <1.0	---	---
Silicon	ppm	█ 16	█ 14	---	---
Sodium	ppm	█ 5	█ 4	---	---
Potassium	ppm	█ 2	█ 2	---	---

### Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm. Aluminum ppm levels are abnormal. Piston wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

## WEAR METALS

Iron	ppm	█ 55	█ 33	---	---
Copper	ppm	█ 11	█ 7	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ 3	█ 2	---	---
Aluminum	ppm	▲ 52	█ 44	---	---
Chromium	ppm	█ 10	█ 8	---	---
Molybdenum	ppm	█ 38	█ 39	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 4	█ 4	---	---
Vanadium	ppm	█ 0	█ 0	---	---

## ADDITIVES

Calcium	ppm	█ 1614	█ 1580	---	---
Magnesium	ppm	█ 551	█ 573	---	---
Zinc	ppm	█ 1120	█ 1090	---	---
Phosphorus	ppm	█ 1014	█ 1021	---	---
Barium	ppm	█ 2	█ <1	---	---
Boron	ppm	█ 34	█ 51	---	---

**Depot:** SHEMIS  
**Unique No:** 5631469  
**Signed:** Kevin Marson  
**Report Date:** 25 Aug 2023



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## GRAPHS

