



# CONSTRUCTION EQUIPMENT

WESFINCH 8-371253 VOLVO L120H 632979 - DIESEL ENGINE



**Sample No:** VCP394969  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** 8-371253



## SAMPLE INFORMATION

Sample Number	<b>VCP394969</b>	VCP380906	VCP332543	VCP333999
Sample Date	<b>10 Jul 2023</b>	20 Dec 2022	27 Jun 2022	08 Dec 2021
Machine Hours	<b>4018</b>	2992	2006	1001
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>12.8</b>	13.3	12.2	12.7
Oxidation (PA)	%	<b>66</b>	88	73	66



## CONTAMINATION

Soot %	%	<b>0.2</b>	0.2	0.2	0.1
Nitration (PA)	%	<b>76</b>	77	79	58
Sulfation (PA)	%	<b>53</b>	67	59	58
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>4</b>	6	7	14
Sodium	ppm	<b>2</b>	3	2	4
Potassium	ppm	<b>&lt;1</b>	<1	<1	2



## WEAR METALS

Iron	ppm	<b>18</b>	19	27	37
Copper	ppm	<b>2</b>	4	12	12
Lead	ppm	<b>1</b>	<1	2	2
Tin	ppm	<b>&lt;1</b>	<1	1	3
Aluminum	ppm	<b>4</b>	6	9	28
Chromium	ppm	<b>1</b>	1	2	3
Molybdenum	ppm	<b>61</b>	48	58	39
Nickel	ppm	<b>0</b>	<1	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>&lt;1</b>	0	<1	1
Manganese	ppm	<b>&lt;1</b>	<1	<1	2
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1159</b>	1744	1184	1487
Magnesium	ppm	<b>959</b>	594	956	644
Zinc	ppm	<b>1232</b>	1136	1240	1137
Phosphorus	ppm	<b>1081</b>	1036	1038	1004
Barium	ppm	<b>0</b>	0	<1	6
Boron	ppm	<b>3</b>	23	4	32

### 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:** 5615915  
**Signed:** Wes Davis  
**Report Date:** 19 Jul 2023



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## GRAPHS

