



# CONSTRUCTION EQUIPMENT

IMPACT AUTO 8-381490 VOVLO L90H 625322 - DIESEL ENGINE



**Sample No:** VCP353391  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** 8-381490



## SAMPLE INFORMATION

Sample Number	VCP353391	VCP394910	VCP381739	VCP381017
Sample Date	31 Oct 2023	26 Jun 2023	21 Mar 2023	10 Jan 2023
Machine Hours	5540	4963	4495	4130
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	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	13.2	13.1	12.9	13.7
Oxidation (PA)	%	85	86	86	90



## CONTAMINATION

Soot %	%	0.3	0.2	0.1	0.3
Nitration (PA)	%	66	61	64	75
Sulfation (PA)	%	64	64	72	68
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	5	5	5
Sodium	ppm	3	3	3	3
Potassium	ppm	0	0	0	0

### 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.



## WEAR METALS

Iron	ppm	11	8	8	13
Copper	ppm	<1	<1	<1	1
Lead	ppm	<1	0	0	0
Tin	ppm	0	0	<1	<1
Aluminum	ppm	4	2	2	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	40	40	40	43
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



## ADDITIVES

Calcium	ppm	1709	1723	1832	1800
Magnesium	ppm	507	510	516	531
Zinc	ppm	1105	1095	1095	1133
Phosphorus	ppm	944	977	1016	1029
Barium	ppm	<1	0	0	0
Boron	ppm	27	37	43	28

**Depot:** SHEMIS  
**Unique No:** 5671974  
**Signed:** Wes Davis  
**Report Date:** 08 Nov 2023



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## GRAPHS

