



# CONSTRUCTION EQUIPMENT

LAKESIDE 8-395946 VOLVO L70H 622910 - DIESEL ENGINE



**Sample No:** VCP394089  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** 8-395946



## SAMPLE INFORMATION

Sample Number	<b>VCP394089</b>	VCP380061	VCP353486	VCP347105
Sample Date	<b>01 Mar 2024</b>	14 Dec 2023	30 Nov 2022	19 Sep 2022
Machine Hours	<b>6080</b>	5640	7050	4626
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	N/A
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

### STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD  
MISSISSAUGA, ON  
CA L4W 4L4

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## OIL CONDITION

Visc @ 100°C	cSt	<b>12.9</b>	13.1	13.0	13.5
Oxidation (PA)	%	<b>82</b>	76	84	82



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.1</b>	0.2	0.1	0.2
Nitration (PA)	%	<b>55</b>	58	58	63
Sulfation (PA)	%	<b>62</b>	59	66	63
Glycol	%	<b>NEG</b>	NEG	0.0	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>6</b>	9	6	5
Sodium	ppm	<b>2</b>	3	2	2
Potassium	ppm	<b>&lt;1</b>	11	0	<1

### 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	<b>13</b>	42	10	14
Copper	ppm	<b>&lt;1</b>	1	<1	<1
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>4</b>	11	4	5
Chromium	ppm	<b>&lt;1</b>	1	<1	<1
Molybdenum	ppm	<b>40</b>	44	43	39
Nickel	ppm	<b>&lt;1</b>	<1	<1	<1
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>&lt;1</b>	<1	0	0
Manganese	ppm	<b>0</b>	0	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1775</b>	1807	1740	1740
Magnesium	ppm	<b>510</b>	528	505	497
Zinc	ppm	<b>1065</b>	1155	1087	1102
Phosphorus	ppm	<b>948</b>	968	997	1017
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>46</b>	48	41	34

**Depot:** SHEMIS  
**Unique No:** 5746520  
**Signed:** Wes Davis  
**Report Date:** 12 Mar 2024

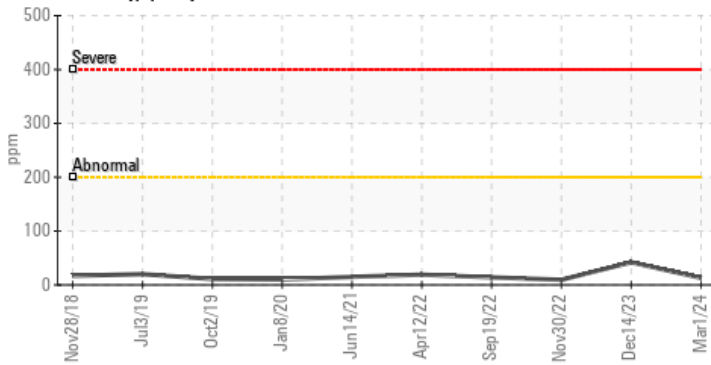


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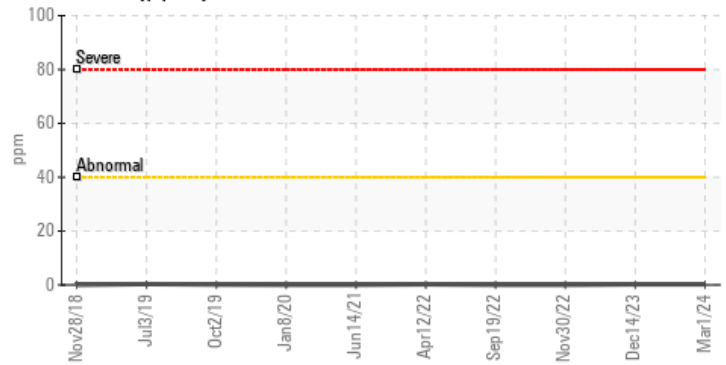


## GRAPHS

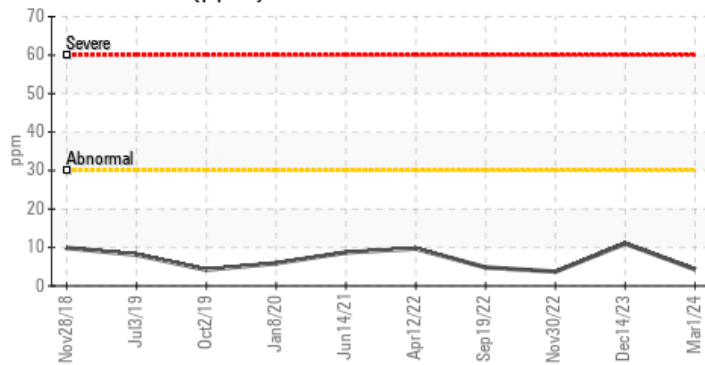
### Iron (ppm)



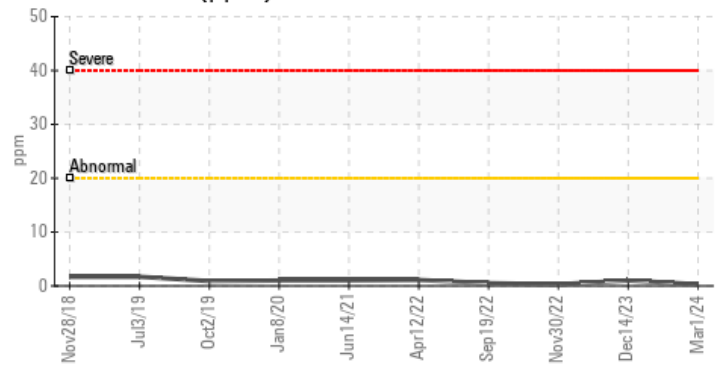
### Lead (ppm)



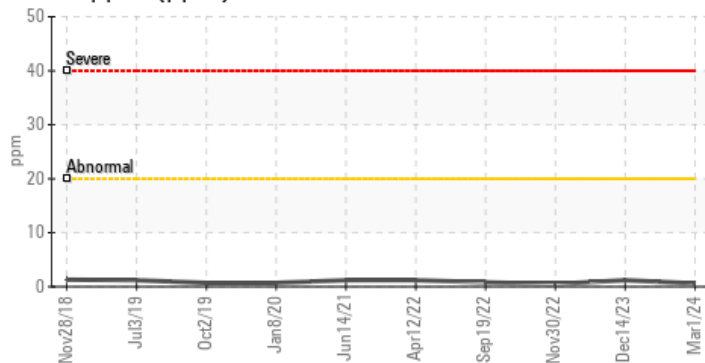
### Aluminum (ppm)



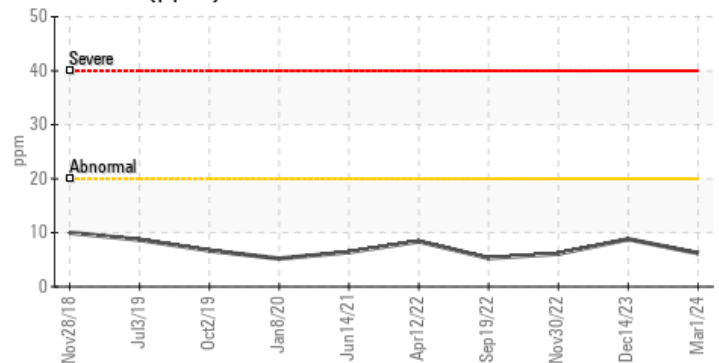
### Chromium (ppm)



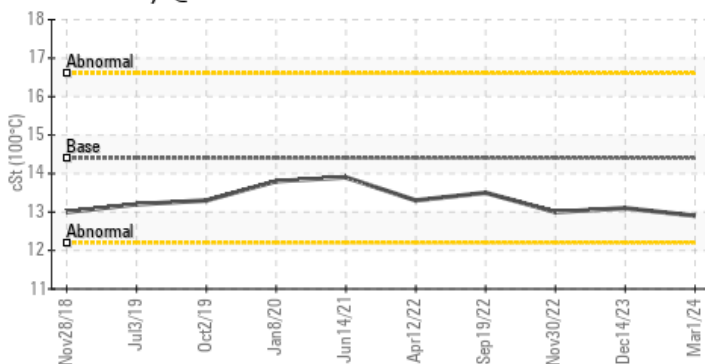
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Soot %

