



# CONSTRUCTION EQUIPMENT

## 5999 I PULL U PULL VOLVO L90H 624459 - FRONT AXLE



**Sample No:** VCP397918  
**Oil Type:** VOLVO WB 102  
**Job No:** 5999 I PULL U PULL



### SAMPLE INFORMATION

Sample Number	<b>VCP397918</b>	VCP378795	VCP255774	---
Sample Date	<b>27 Sep 2023</b>	26 Sep 2022	14 Jan 2020	---
Machine Hours	<b>6700</b>	4770	1524	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

**VCES- VOLVO CONSTRUCTION EQUIPMENT**  
 8594 FRUITRIDGE ROAD  
 SACRAMENTO, CA  
 US 95826  
 Contact: KRYSTAL GOODCHILD  
 krystal.goodchild@vcesvolvo.com  
 T: (916)388-2244  
 F: (916)388-9944



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.7</b>	40.4	40.1	---
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### CONTAMINATION

Silicon	ppm	<b>13</b>	12	15	---
Sodium	ppm	<b>&lt;1</b>	<1	11	---
Potassium	ppm	<b>0</b>	3	3	---

### 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>96</b>	112	230	---
Copper	ppm	<b>0</b>	<1	1	---
Lead	ppm	<b>0</b>	<1	<1	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>1</b>	2	1	---
Chromium	ppm	<b>1</b>	2	5	---
Molybdenum	ppm	<b>0</b>	2	13	---
Nickel	ppm	<b>&lt;1</b>	0	2	---
Titanium	ppm	<b>0</b>	0	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>2</b>	3	11	---
Vanadium	ppm	<b>0</b>	<1	0	---



### ADDITIVES

Calcium	ppm	<b>3718</b>	4513	3850	---
Magnesium	ppm	<b>21</b>	12	10	---
Zinc	ppm	<b>1552</b>	1841	1523	---
Phosphorus	ppm	<b>1277</b>	1519	1256	---
Barium	ppm	<b>&lt;1</b>	0	0	---
Boron	ppm	<b>117</b>	144	106	---

**Depot:** VOLVO4485  
**Unique No:** 10699882  
**Signed:** Wes Davis  
**Report Date:** 19 Oct 2023

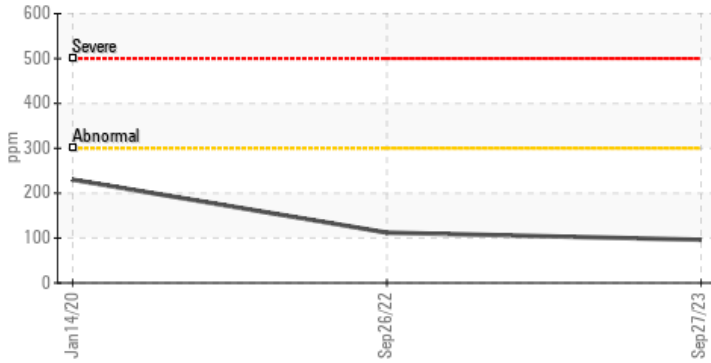


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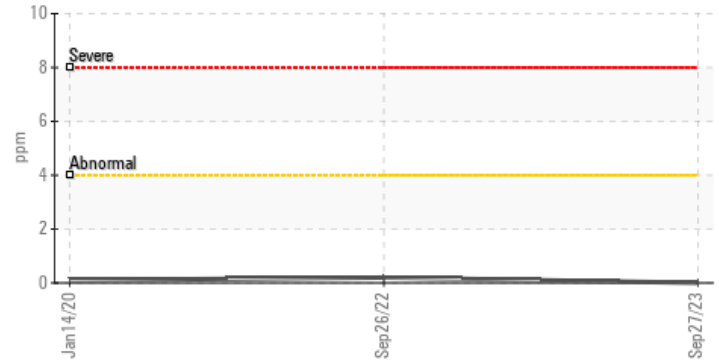


## GRAPHS

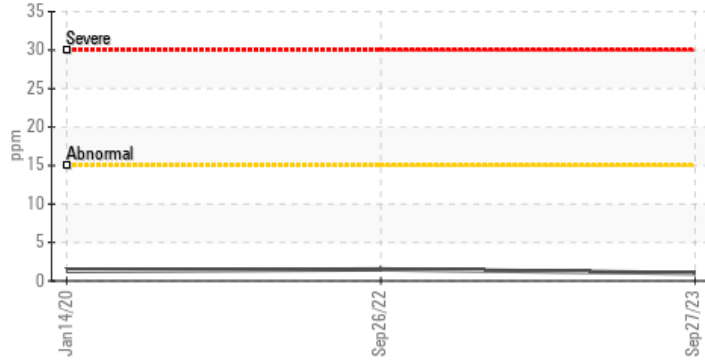
### Iron (ppm)



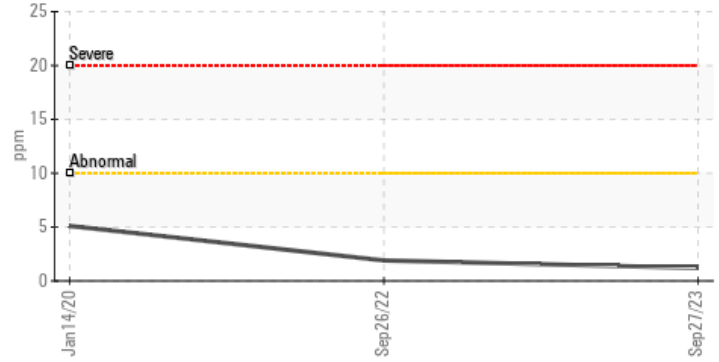
### Lead (ppm)



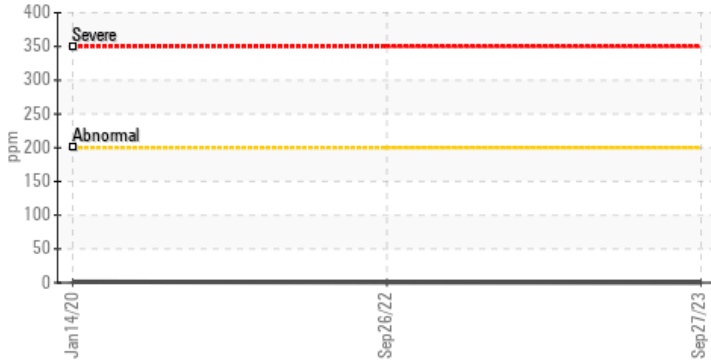
### Aluminum (ppm)



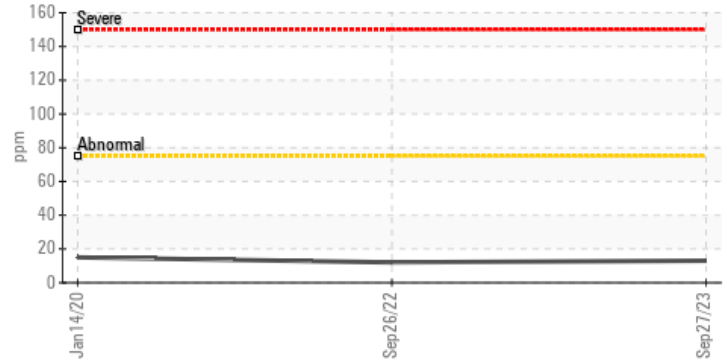
### Chromium (ppm)



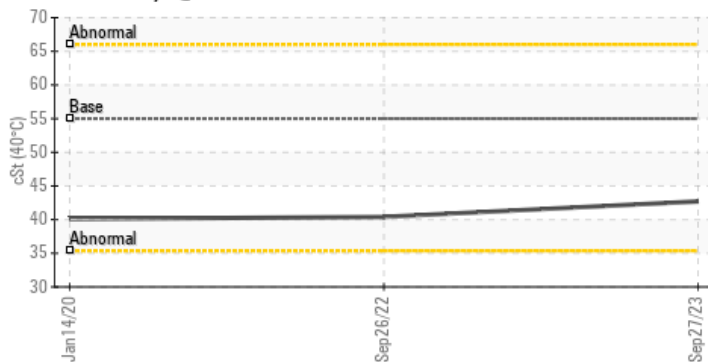
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

