



# CONSTRUCTION EQUIPMENT

225482 IAA VOLVO L90H 624272 - REAR AXLE



**Sample No:** VCP441947  
**Oil Type:** VOLVO WB 102  
**Job No:** 225482 IAA



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## SAMPLE INFORMATION

Sample Number	<b>VCP441947</b>	VCP239073	VCP148186	---
Sample Date	<b>06 Dec 2023</b>	02 Mar 2020	01 Feb 2019	---
Machine Hours	<b>10019</b>	3994	2033	---
Oil Hours	<b>0</b>	2000	2033	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	---



## OIL CONDITION

Visc @ 40°C	cSt	<b>39.9</b>	40.5	40.11	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>21</b>	30	12	---
Sodium	ppm	<b>11</b>	3	3	---
Potassium	ppm	<b>3</b>	0	1	---



## WEAR METALS

Iron	ppm	<b>70</b>	106	79	---
Copper	ppm	<b>20</b>	59	▲ 281	---
Lead	ppm	<b>&lt;1</b>	1	2	---
Tin	ppm	<b>3</b>	8	27	---
Aluminum	ppm	<b>4</b>	7	1	---
Chromium	ppm	<b>&lt;1</b>	2	3	---
Molybdenum	ppm	<b>0</b>	<1	4	---
Nickel	ppm	<b>&lt;1</b>	1	2	---
Titanium	ppm	<b>&lt;1</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>1</b>	3	7	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>3872</b>	4276	3534	---
Magnesium	ppm	<b>17</b>	14	9	---
Zinc	ppm	<b>1651</b>	1651	1346	---
Phosphorus	ppm	<b>1374</b>	1372	1211	---
Barium	ppm	<b>0</b>	0	<1	---
Boron	ppm	<b>134</b>	125	99	---

## 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:** VOLVO1271  
**Unique No:** 10790136  
**Signed:** Wes Davis  
**Report Date:** 15 Dec 2023

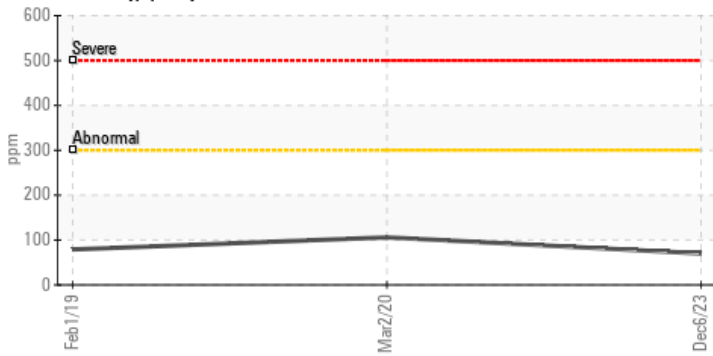


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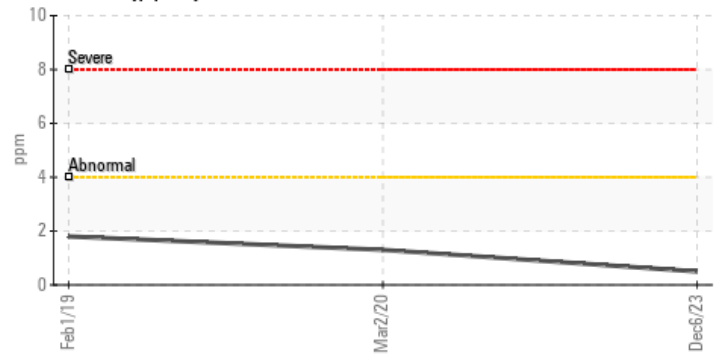


## GRAPHS

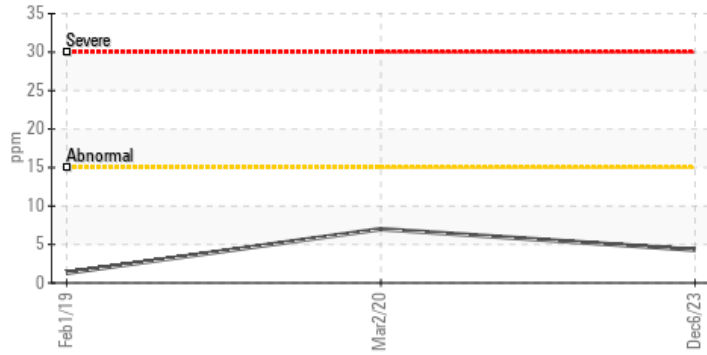
### Iron (ppm)



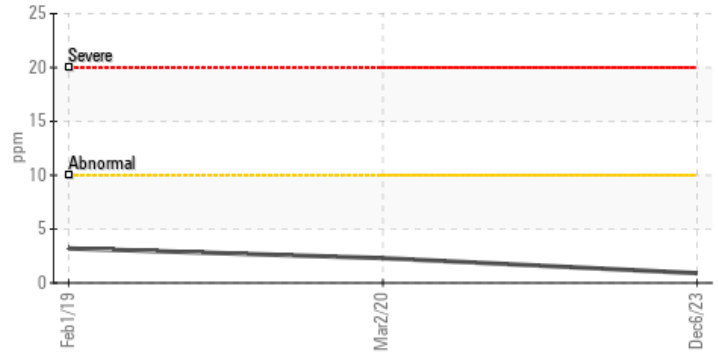
### Lead (ppm)



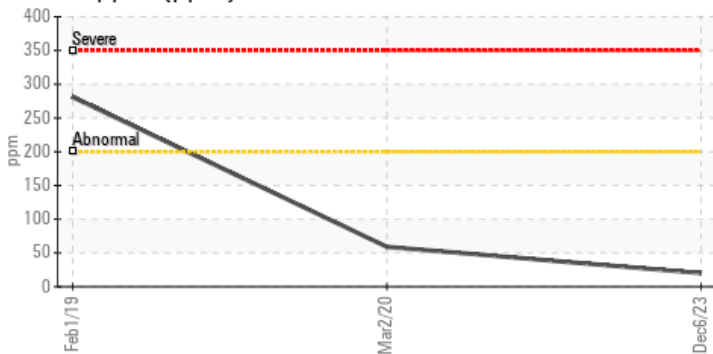
### Aluminum (ppm)



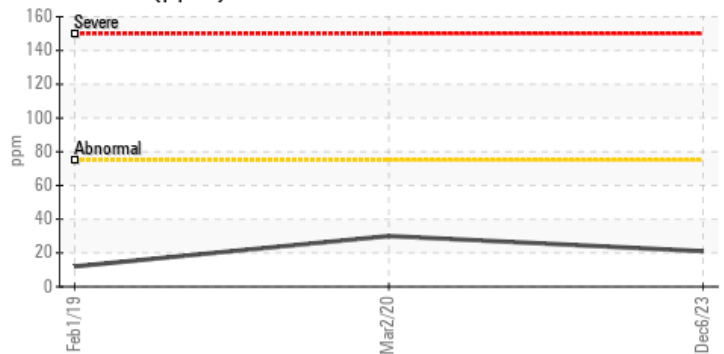
### Chromium (ppm)



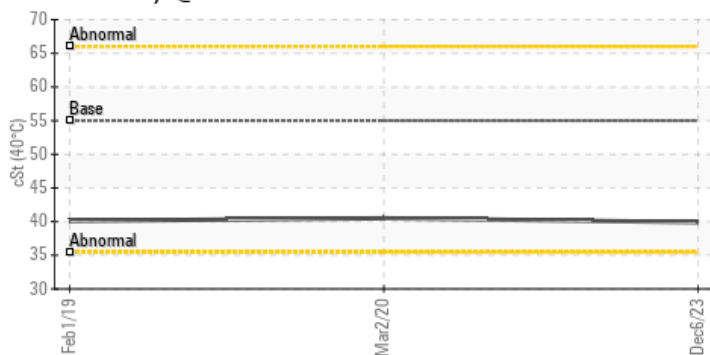
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

