



# CONSTRUCTION EQUIPMENT

D12688 IAA SUSSEX VOLVO L90H 625531 - FRONT AXLE



**Sample No:** VCP418679  
**Oil Type:** VOLVO WB 102  
**Job No:** D12688 IAA SUSSEX



## SAMPLE INFORMATION

Sample Number	<b>VCP418679</b>	VCP382389	VCP336176	---
Sample Date	<b>19 Sep 2023</b>	02 Mar 2023	10 Feb 2022	---
Machine Hours	<b>5001</b>	4014	2086	---
Oil Hours	<b>963</b>	924	0	---
Oil Changed	<b>Changed</b>	Changed	Not Changd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>43.1</b>	45.9	43.9	---
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## CONTAMINATION

Silicon	ppm	<b>14</b>	10	12	---
Sodium	ppm	<b>0</b>	2	6	---
Potassium	ppm	<b>&lt;1</b>	1	<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>25</b>	59	43	---
Copper	ppm	<b>1</b>	1	2	---
Lead	ppm	<b>&lt;1</b>	0	1	---
Tin	ppm	<b>0</b>	0	<1	---
Aluminum	ppm	<b>2</b>	0	<1	---
Chromium	ppm	<b>&lt;1</b>	0	2	---
Molybdenum	ppm	<b>1</b>	2	4	---
Nickel	ppm	<b>0</b>	0	<1	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>2</b>	3	5	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>3917</b>	3642	4051	---
Magnesium	ppm	<b>13</b>	16	23	---
Zinc	ppm	<b>1565</b>	1477	1578	---
Phosphorus	ppm	<b>1254</b>	1215	1304	---
Barium	ppm	<b>0</b>	<1	0	---
Boron	ppm	<b>141</b>	116	117	---

**Depot:** VOLVO0069  
**Unique No:** 10662664  
**Signed:** Wes Davis  
**Report Date:** 27 Sep 2023



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## GRAPHS

