



# CONSTRUCTION EQUIPMENT

## D13106 IAA SUSSEX VOLVO L90H 625531 - REAR AXLE



**Sample No:** VCE030418  
**Oil Type:** VOLVO WB 102  
**Job No:** D13106 IAA SUSSEX



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### SAMPLE INFORMATION

Sample Number	<b>VCE030418</b>	VC06054327	VCP418680	VCP382390
Sample Date	<b>02 Jan 2024</b>	02 Jan 2024	19 Sep 2023	02 Mar 2023
Machine Hours	<b>5525</b>	5525	5001	4014
Oil Hours	<b>524</b>	524	963	924
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.02</b>	44.4	42.3	43.0
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	▲ 0.225	NEG
Silicon	ppm	<b>9</b>	9	23	11
Sodium	ppm	<b>0</b>	0	<1	2
Potassium	ppm	<b>2</b>	2	2	1



### WEAR METALS

Iron	ppm	<b>6</b>	6	24	49
Copper	ppm	<b>2</b>	2	6	17
Lead	ppm	<b>&lt;1</b>	<1	<1	0
Tin	ppm	<b>&lt;1</b>	<1	<1	0
Aluminum	ppm	<b>2</b>	2	4	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	0
Molybdenum	ppm	<b>10</b>	10	<1	0
Nickel	ppm	<b>&lt;1</b>	<1	0	0
Titanium	ppm	<b>&lt;1</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	1	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>4086</b>	4063	3905	3515
Magnesium	ppm	<b>17</b>	17	17	17
Zinc	ppm	<b>1608</b>	1598	1575	1437
Phosphorus	ppm	<b>1255</b>	1249	1260	1180
Barium	ppm	<b>7</b>	8	0	<1
Boron	ppm	<b>137</b>	139	144	113

### 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:** VOLVO0069  
**Unique No:** 10820324  
**Signed:** Jonathan Hester  
**Report Date:** 11 Jan 2024



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## GRAPHS

