



# CONSTRUCTION EQUIPMENT

RSO-035038 VOLVO L220H 2940 - FRONT AXLE



**Sample No:** VCP414007  
**Oil Type:** VOLVO WET BRAKE TRANSAXLE OIL  
**Job No:** RSO-035038



## SAMPLE INFORMATION

Sample Number	<b>VCP414007</b>	VCP345695	---	---
Sample Date	<b>22 Aug 2023</b>	27 Jan 2022	---	---
Machine Hours	<b>7630</b>	3597	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>NORMAL</b>	NORMAL	---	---

### SAIIA CONSTRUCTION LLC

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## OIL CONDITION

Visc @ 40°C	cSt	<b>48.8</b>	48.6	---	---
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## CONTAMINATION

Silicon	ppm	<b>12</b>	10	---	---
Sodium	ppm	<b>6</b>	1	---	---
Potassium	ppm	<b>0</b>	2	---	---



## WEAR METALS

Iron	ppm	<b>56</b>	56	---	---
Copper	ppm	<b>14</b>	21	---	---
Lead	ppm	<b>0</b>	<1	---	---
Tin	ppm	<b>0</b>	<1	---	---
Aluminum	ppm	<b>3</b>	2	---	---
Chromium	ppm	<b>1</b>	1	---	---
Molybdenum	ppm	<b>1</b>	5	---	---
Nickel	ppm	<b>0</b>	0	---	---
Titanium	ppm	<b>0</b>	<1	---	---
Silver	ppm	<b>0</b>	<1	---	---
Manganese	ppm	<b>2</b>	2	---	---
Vanadium	ppm	<b>0</b>	0	---	---



## ADDITIVES

Calcium	ppm	<b>3260</b>	3495	---	---
Magnesium	ppm	<b>34</b>	56	---	---
Zinc	ppm	<b>1318</b>	1363	---	---
Phosphorus	ppm	<b>1100</b>	1194	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>109</b>	109	---	---

## 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:** SAIBIR  
**Unique No:** 10622838  
**Signed:** Don Baldrige  
**Report Date:** 30 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

