



# CONSTRUCTION EQUIPMENT

## S630 IAA RANCHO CORD VOLVO L90H 625096 - FRONT AXLE



**Sample No:** VCP425902  
**Oil Type:** VOLVO WB 102  
**Job No:** S630 IAA RANCHO CORD



### SAMPLE INFORMATION

Sample Number	<b>VCP425902</b>	VCP357188	VCP297277	VCP270263
Sample Date	<b>06 Jul 2023</b>	30 Mar 2022	19 Mar 2021	20 May 2020
Machine Hours	<b>8707</b>	6435	4056	2027
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**VCES- VOLVO CONSTRUCTION EQUIPMENT**  
 8594 FRUITRIDGE ROAD  
 SACRAMENTO, CA  
 US 95826  
 Contact: RAY KRANZUSCH  
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 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>41.4</b>	41.2	42.2	40.0
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### CONTAMINATION

Silicon	ppm	<b>9</b>	7	9	12
Sodium	ppm	<b>8</b>	9	8	6
Potassium	ppm	<b>2</b>	0	0	<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>16</b>	10	35	43
Copper	ppm	<b>2</b>	2	1	<1
Lead	ppm	<b>0</b>	<1	<1	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>1</b>	<1	<1	<1
Chromium	ppm	<b>&lt;1</b>	0	<1	1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	1
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>&lt;1</b>	<1	2	3
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3447</b>	3204	3816	4034
Magnesium	ppm	<b>10</b>	7	12	12
Zinc	ppm	<b>1634</b>	1271	1509	1489
Phosphorus	ppm	<b>1367</b>	1355	1350	1358
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>105</b>	99	135	131

**Depot:** VOLVO4485  
**Unique No:** 10550524  
**Signed:** Wes Davis  
**Report Date:** 11 Jul 2023



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## GRAPHS

