



# CONSTRUCTION EQUIPMENT

W14229 VOLVO L220H 2930 - REAR AXLE



**Sample No:** VCP405866  
**Oil Type:** VOLVO WB 102  
**Job No:** W14229



## SAMPLE INFORMATION

Sample Number	<b>VCP405866</b>	VCP384248	VCP375319	VCP374259
Sample Date	<b>29 Aug 2023</b>	20 Oct 2022	18 Aug 2022	02 Jun 2022
Machine Hours	<b>8656</b>	8149	7751	7157
Oil Hours	<b>500</b>	2000	1500	1000
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>41.3</b>	44.0	42.1	42.0
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## CONTAMINATION

Silicon	ppm	<b>8</b>	13	10	13
Sodium	ppm	<b>5</b>	6	7	9
Potassium	ppm	<b>2</b>	0	1	0

## 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>18</b>	44	27	27
Copper	ppm	<b>&lt;1</b>	<1	<1	0
Lead	ppm	<b>0</b>	<1	0	2
Tin	ppm	<b>0</b>	<1	<1	1
Aluminum	ppm	<b>1</b>	2	2	2
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>3410</b>	4123	3489	3982
Magnesium	ppm	<b>10</b>	17	12	16
Zinc	ppm	<b>1490</b>	1623	1483	1611
Phosphorus	ppm	<b>1240</b>	1341	1171	1314
Barium	ppm	<b>2</b>	0	0	0
Boron	ppm	<b>127</b>	140	120	132

**Depot:** VOLVO0080  
**Unique No:** 10633275  
**Signed:** Wes Davis  
**Report Date:** 06 Sep 2023



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## VOLVO GRAPHS

