



# CONSTRUCTION EQUIPMENT

SWA142888 VOLVO L110H 10425 - REAR AXLE



**Sample No:** VCP370093  
**Oil Type:** VOLVO WB 102  
**Job No:** SWA142888



## SAMPLE INFORMATION

Sample Number	<b>VCP370093</b>	VCP326427	VCP305230	VCP292067
Sample Date	<b>06 Jan 2023</b>	08 Oct 2021	11 Mar 2021	30 Oct 2020
Machine Hours	<b>9253</b>	8440	7265	6382
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	N/A	N/A	N/A
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

## ALTA EQUIPMENT

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 SYRACUSE, NY  
 US 13206  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>39.9</b>	40.1	40.0	39.7
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>10</b>	10	10	11
Sodium	ppm	<b>2</b>	5	7	2
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>227</b>	172	174	159
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>0</b>	<1	<1	0
Aluminum	ppm	<b>0</b>	2	1	<1
Chromium	ppm	<b>4</b>	3	3	3
Molybdenum	ppm	<b>&lt;1</b>	2	1	1
Nickel	ppm	<b>0</b>	0	<1	<1
Titanium	ppm	<b>0</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>4</b>	4	4	4
Vanadium	ppm	<b>0</b>	<1	0	<1



## ADDITIVES

Calcium	ppm	<b>4235</b>	3733	4114	4165
Magnesium	ppm	<b>13</b>	14	14	13
Zinc	ppm	<b>1666</b>	1561	1659	1618
Phosphorus	ppm	<b>1287</b>	1208	1364	1340
Barium	ppm	<b>1</b>	0	0	0
Boron	ppm	<b>128</b>	141	137	145

**Depot:** VOLVO0142  
**Unique No:** 10287055  
**Signed:** Wes Davis  
**Report Date:** 13 Jan 2023



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## VOLVO GRAPHS

