



# CONSTRUCTION EQUIPMENT

SWA195346 VOLVO L180H 5317 - REAR AXLE



**Sample No:** VCP400644  
**Oil Type:** TRANSAXLE OIL SAE 75W80  
**Job No:** SWA195346



## SAMPLE INFORMATION

Sample Number	<b>VCP400644</b>	VCP380579	VCP387874	VCP377387
Sample Date	<b>08 Mar 2023</b>	23 Jan 2023	09 Sep 2022	18 Jul 2022
Machine Hours	<b>7096</b>	6801	5911	5558
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	N/A	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	ABNORMAL	ABNORMAL	NORMAL

## ALTA EQUIPMENT

5985 COURT STREET ROAD  
 SYRACUSE, NY  
 US 13206  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>44.3</b>	42.4	42.4	42.6
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## CONTAMINATION

Silicon	ppm	<b>16</b>	14	12	16
Sodium	ppm	<b>2</b>	9	9	8
Potassium	ppm	<b>0</b>	<1	0	0



## WEAR METALS

Iron	ppm	<b>22</b>	33	22	23
Copper	ppm	<b>1</b>	3	2	1
Lead	ppm	<b>&lt;1</b>	<1	<1	0
Tin	ppm	<b>&lt;1</b>	<1	<1	<1
Aluminum	ppm	<b>&lt;1</b>	1	2	2
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>&lt;1</b>	<1	<1	0
Titanium	ppm	<b>&lt;1</b>	<1	0	0
Silver	ppm	<b>&lt;1</b>	0	<1	<1
Manganese	ppm	<b>2</b>	1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>4049</b>	4066	3827	4073
Magnesium	ppm	<b>19</b>	17	14	14
Zinc	ppm	<b>1534</b>	1639	1570	1607
Phosphorus	ppm	<b>1219</b>	1254	1222	1244
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>142</b>	130	153	149

## 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:** VOLVO0142  
**Unique No:** 10389688  
**Signed:** Wes Davis  
**Report Date:** 24 Mar 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

