



# CONSTRUCTION EQUIPMENT

## 480166 VOLVO L180H 5286 - FRONT AXLE



**Sample No:** VCP371018  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP371018</b>	DJJ0013917	DJJ0014225	DJJ0014224
Sample Date	<b>15 Apr 2024</b>	17 Oct 2023	20 Jun 2023	13 Apr 2023
Machine Hours	<b>9973</b>	9515	9008	8501
Oil Hours	<b>0</b>	0	9008	500
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ADVANTAGE METALS RECYCLING - 12 STREET**  
 1153 S. 12TH STREET  
 KANSAS CITY, KS  
 US 66105  
 Contact: JOHN PEEK  
 john.peek@advantagerecycling.com  
 T: (660)424-9134  
 F: (913)621-2766



### OIL CONDITION

Visc @ 40°C	cSt	<b>43.3</b>	43.4	43.3	43.1
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>12</b>	15	8	10
Sodium	ppm	<b>3</b>	<1	1	1
Potassium	ppm	<b>0</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>27</b>	18	15	12
Copper	ppm	<b>0</b>	1	<1	<1
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	2	<1	1
Chromium	ppm	<b>0</b>	<1	0	<1
Molybdenum	ppm	<b>0</b>	<1	0	<1
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	0	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3489</b>	4109	2224	3042
Magnesium	ppm	<b>19</b>	21	14	15
Zinc	ppm	<b>1278</b>	1671	1108	1284
Phosphorus	ppm	<b>1157</b>	1197	831	1023
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>123</b>	134	73	105

**Depot:** ADVKANLH  
**Unique No:** 10994030  
**Signed:** Wes Davis  
**Report Date:** 24 Apr 2024



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## VOLVO GRAPHS

