



# CONSTRUCTION EQUIPMENT

702593 5729 VOLVO L180 5729 - FRONT AXLE



**Sample No:** VCP449809  
**Oil Type:** VOLVO WB 102  
**Job No:** 702593



## SAMPLE INFORMATION

Sample Number	<b>VCP449809</b>	VCP446634	VCP432667	VCP419013
Sample Date	<b>22 Apr 2024</b>	13 Feb 2024	04 Dec 2023	11 Oct 2023
Machine Hours	<b>3545</b>	2754	2153	1427
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Changed
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	NORMAL

**TRADEMARK METALS RECYCLING - SUTTON**  
 5220 DOVER STREET  
 TAMPA, FL  
 US 33619  
 Contact: RYAN BOWDEN



## OIL CONDITION

Visc @ 40°C	cSt	<b>44.7</b>	43.8	43.6	41.5
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T:  
 F: (813)677-3007



## CONTAMINATION

Water	%	<b>0.300</b>	NEG	NEG	NEG
Silicon	ppm	<b>9</b>	15	11	11
Sodium	ppm	<b>1</b>	0	2	3
Potassium	ppm	<b>0</b>	2	0	0

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>45</b>	31	49	62
Copper	ppm	<b>2</b>	1	2	4
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	2	<1	<1
Chromium	ppm	<b>1</b>	<1	2	2
Molybdenum	ppm	<b>2</b>	1	2	0
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	<1	2	3
Vanadium	ppm	<b>0</b>	0	<1	0



## ADDITIVES

Calcium	ppm	<b>4003</b>	3816	3933	3607
Magnesium	ppm	<b>28</b>	22	0	12
Zinc	ppm	<b>1534</b>	1559	1406	1527
Phosphorus	ppm	<b>1311</b>	1204	1112	1300
Barium	ppm	<b>0</b>	<1	0	<1
Boron	ppm	<b>115</b>	137	142	122

**Depot:** TRATAMFL  
**Unique No:** 11005584  
**Signed:** Jonathan Hester  
**Report Date:** 03 May 2024



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## GRAPHS

