



# CONSTRUCTION EQUIPMENT

49139 SWANEE VOLVO L180H 5496 - FRONT AXLE



**Sample No:** VCP453952  
**Oil Type:** VOLVO WB 102  
**Job No:** 49139 SWANEE



## SAMPLE INFORMATION

Sample Number	<b>VCP453952</b>	VCP438159	VCP412812	VCP417494
Sample Date	<b>11 Mar 2024</b>	18 Jan 2024	18 Jul 2023	02 Jun 2023
Machine Hours	<b>14089</b>	13222	11082	10460
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>43.5</b>	44.0	43.4	43.3
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>12</b>	14	13	12
Sodium	ppm	<b>0</b>	0	2	1
Potassium	ppm	<b>1</b>	<1	0	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>16</b>	18	50	41
Copper	ppm	<b>2</b>	3	19	18
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>2</b>	2	2	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>4</b>	2	1	<1
Nickel	ppm	<b>&lt;1</b>	<1	<1	0
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	1	<1
Vanadium	ppm	<b>&lt;1</b>	0	<1	0



## ADDITIVES

Calcium	ppm	<b>3664</b>	3799	3948	3737
Magnesium	ppm	<b>45</b>	36	21	19
Zinc	ppm	<b>1491</b>	1624	1538	1501
Phosphorus	ppm	<b>1129</b>	1270	1290	1187
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>114</b>	133	150	137

**Depot:** VOLVO0093  
**Unique No:** 10938232  
**Signed:** Wes Davis  
**Report Date:** 21 Mar 2024



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## VOLVO GRAPHS

