



# CONSTRUCTION EQUIPMENT

TMR-OKEECHOBEE 4098 434166 VOLVO L180H 4821 - FRONT AXLE



**Sample No:** VCP445659  
**Oil Type:** VOLVO WB 102  
**Job No:** 4098



## SAMPLE INFORMATION

Sample Number	<b>VCP445659</b>	VCP423317	VCP408043	VCP369809
Sample Date	<b>12 Feb 2024</b>	23 Jan 2024	01 May 2023	09 Dec 2022
Machine Hours	<b>15531</b>	15313	13007	11568
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**TRADEMARK METALS RECYCLING - OKEECHOBEE**  
9800 NE 128TH AVE  
OKEECHOBEE, FL  
US 34972  
Contact: RYAN BOWDEN



## OIL CONDITION

Visc @ 40°C	cSt	<b>43.8</b>	46.1	44.1	43.2
-------------	-----	-------------	------	------	------

T: (863)467-9810  
F: (863)467-9814



## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>14</b>	12	11	12
Sodium	ppm	<b>0</b>	0	2	7
Potassium	ppm	<b>2</b>	2	2	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>24</b>	38	85	258
Copper	ppm	<b>4</b>	11	37	28
Lead	ppm	<b>&lt;1</b>	0	<1	<1
Tin	ppm	<b>&lt;1</b>	0	<1	<1
Aluminum	ppm	<b>1</b>	2	<1	3
Chromium	ppm	<b>1</b>	<1	2	4
Molybdenum	ppm	<b>7</b>	3	2	2
Nickel	ppm	<b>&lt;1</b>	<1	<1	2
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	2	5
Vanadium	ppm	<b>&lt;1</b>	0	<1	0



## ADDITIVES

Calcium	ppm	<b>3358</b>	3577	3836	4094
Magnesium	ppm	<b>63</b>	27	30	29
Zinc	ppm	<b>1469</b>	1508	1653	1504
Phosphorus	ppm	<b>1160</b>	1279	1330	1244
Barium	ppm	<b>0</b>	<1	0	0
Boron	ppm	<b>115</b>	126	135	137

**Depot:** TRAOKE  
**Unique No:** 10883393  
**Signed:** Wes Davis  
**Report Date:** 16 Feb 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

