



# CONSTRUCTION EQUIPMENT

## 10163 VOLVO L180H 3119 - FRONT AXLE



**Sample No:** VCP4447919  
**Oil Type:** VOLVO WB 102  
**Job No:** 10163



### SAMPLE INFORMATION

Sample Number	<b>VCP4447919</b>	VCP229571	VCP199533	VCP201678
Sample Date	<b>04 Jan 2024</b>	20 Jun 2018	28 Dec 2016	14 Jun 2016
Machine Hours	<b>19920</b>	11743	8821	6335
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**WHEELABRATOR**  
 1801 ANNAPOLIS RD  
 BALTIMORE, MD  
 US 21230  
 Contact: SERVICE MANAGER



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.0</b>	45.91	40.11	36.62
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T: (215)428-7902  
 F:



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>6</b>	10	11	14
Sodium	ppm	<b>0</b>	1	1	0
Potassium	ppm	<b>&lt;1</b>	3	<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>18</b>	24	35	51
Copper	ppm	<b>0</b>	<1	<1	<1
Lead	ppm	<b>0</b>	<1	<1	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	<1	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	2
Molybdenum	ppm	<b>0</b>	0	<1	1
Nickel	ppm	<b>0</b>	<1	<1	<1
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	1	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>2201</b>	2526	3709	4706
Magnesium	ppm	<b>10</b>	7	13	16
Zinc	ppm	<b>1077</b>	1147	1436	1857
Phosphorus	ppm	<b>845</b>	974	1216	1307
Barium	ppm	<b>0</b>	0	0	<1
Boron	ppm	<b>91</b>	73	108	150

**Depot:** WHEBAL  
**Unique No:** 10822952  
**Signed:** Sean Felton  
**Report Date:** 11 Jan 2024



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## GRAPHS

