



# CONSTRUCTION EQUIPMENT

## RALIEGH, NC/ASCENDUM MACHINERY SERVICE AGREEMENT



**Sample No:** VCP418156  
**Oil Type:** VOLVO WB 102  
**Job No:** 19116



### SAMPLE INFORMATION

Sample Number	<b>VCP418156</b>	VCP411468	VCP359106	VCP323133
Sample Date	<b>03 Jul 2023</b>	28 Feb 2023	28 Jun 2022	27 Dec 2021
Machine Hours	<b>9812</b>	9110	7986	7291
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Changed	N/A
Sample Status	<b>MARGINAL</b>	NORMAL	NORMAL	NORMAL



**IAA - INSURANCE AUTO AUCTIONS - CLAYTON**  
 60 SADISCO RD  
 CLAYTON, NC  
 US 27520  
 Contact: Service Manager



### OIL CONDITION

Visc @ 40°C	cSt	<b>43.4</b>	43.0	42.5	43.6
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T:  
F:



### CONTAMINATION

Water	%	<b>0.372</b>	---	---	---
Silicon	ppm	<b>51</b>	25	33	34
Sodium	ppm	<b>6</b>	3	12	6
Potassium	ppm	<b>0</b>	3	0	2

### Diagnosis

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>257</b>	196	171	156
Copper	ppm	<b>9</b>	12	2	2
Lead	ppm	<b>0</b>	<1	<1	<1
Tin	ppm	<b>&lt;1</b>	2	0	<1
Aluminum	ppm	<b>12</b>	5	4	6
Chromium	ppm	<b>3</b>	2	2	2
Molybdenum	ppm	<b>4</b>	4	1	<1
Nickel	ppm	<b>&lt;1</b>	<1	0	0
Titanium	ppm	<b>1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>1</b>	2	2	2
Vanadium	ppm	<b>0</b>	<1	0	<1



### ADDITIVES

Calcium	ppm	<b>3919</b>	4249	4185	3951
Magnesium	ppm	<b>22</b>	23	19	17
Zinc	ppm	<b>1664</b>	1669	1623	1553
Phosphorus	ppm	<b>1307</b>	1342	1340	1289
Barium	ppm	<b>0</b>	0	<1	0
Boron	ppm	<b>137</b>	139	133	140

**Depot:** INSCLA  
**Unique No:** 10552833  
**Signed:** Don Baldrige  
**Report Date:** 14 Jul 2023

**VOLVO** **GRAPHS**

