



# CONSTRUCTION EQUIPMENT

## RALIEGH, NC/ASCENDUM MACHINERY SERVICE AGREEMENT



**Sample No:** VCP424386  
**Oil Type:** VOLVO WB 102  
**Job No:** 19116



### SAMPLE INFORMATION

Sample Number	<b>VCP424386</b>	VCP381647	VCP359109	VCP343238
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 Chngd	Changed	N/A
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	ABNORMAL

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



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.2</b>	42.2	42.3	42.1
-------------	-----	-------------	------	------	------

T:  
F:



### CONTAMINATION

Silicon	ppm	<b>12</b>	19	62	54
Sodium	ppm	<b>3</b>	4	8	5
Potassium	ppm	<b>&lt;1</b>	3	0	3

### 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>47</b>	66	▲ 557	▲ 528
Copper	ppm	<b>2</b>	<1	29	29
Lead	ppm	<b>1</b>	0	<1	<1
Tin	ppm	<b>&lt;1</b>	0	3	3
Aluminum	ppm	<b>2</b>	4	9	8
Chromium	ppm	<b>1</b>	<1	6	6
Molybdenum	ppm	<b>2</b>	5	<1	<1
Nickel	ppm	<b>0</b>	<1	2	2
Titanium	ppm	<b>&lt;1</b>	<1	3	3
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>1</b>	1	4	4
Vanadium	ppm	<b>0</b>	0	<1	<1



### ADDITIVES

Calcium	ppm	<b>2111</b>	4196	4199	4051
Magnesium	ppm	<b>14</b>	24	18	16
Zinc	ppm	<b>1096</b>	1678	1627	1615
Phosphorus	ppm	<b>845</b>	1356	1320	1351
Barium	ppm	<b>0</b>	0	<1	0
Boron	ppm	<b>62</b>	138	133	138

**Depot:** INSCLA  
**Unique No:** 10552885  
**Signed:** Doug Bogart  
**Report Date:** 16 Jul 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

