



# CONSTRUCTION EQUIPMENT

## VOLVO A25G 742 178 - BRAKE COOLING SYSTEM



**Sample No:** VCP0008162  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP0008162</b>	VCP427049	VCP317731	VCP296742
Sample Date	<b>05 Apr 2024</b>	22 Jun 2023	08 Jul 2021	14 Nov 2020
Machine Hours	<b>0</b>	3810	2334	1114
Oil Hours	<b>0</b>	0	0	1114
Oil Changed	<b>N/A</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

**ALTA EQUIPMENT COMPANY**  
 8750 PHILIPS HWY  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.6</b>	42.8	43.2	52.1
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>11</b>	8	8	15
Sodium	ppm	<b>2</b>	4	4	12
Potassium	ppm	<b>2</b>	3	1	12

### 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>12</b>	12	11	14
Copper	ppm	<b>166</b>	168	138	289
Lead	ppm	<b>1</b>	3	<1	3
Tin	ppm	<b>1</b>	<1	<1	0
Aluminum	ppm	<b>2</b>	3	1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>4</b>	1	<1	<1
Nickel	ppm	<b>2</b>	1	<1	1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>2</b>	2	<1	1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3219</b>	2065	2508	3580
Magnesium	ppm	<b>24</b>	14	9	6
Zinc	ppm	<b>1345</b>	934	1110	1457
Phosphorus	ppm	<b>1162</b>	769	912	1142
Barium	ppm	<b>&lt;1</b>	0	0	<1
Boron	ppm	<b>98</b>	55	69	105

**Depot:** VOLVO0092  
**Unique No:** 10968246  
**Signed:** Jonathan Hester  
**Report Date:** 12 Apr 2024

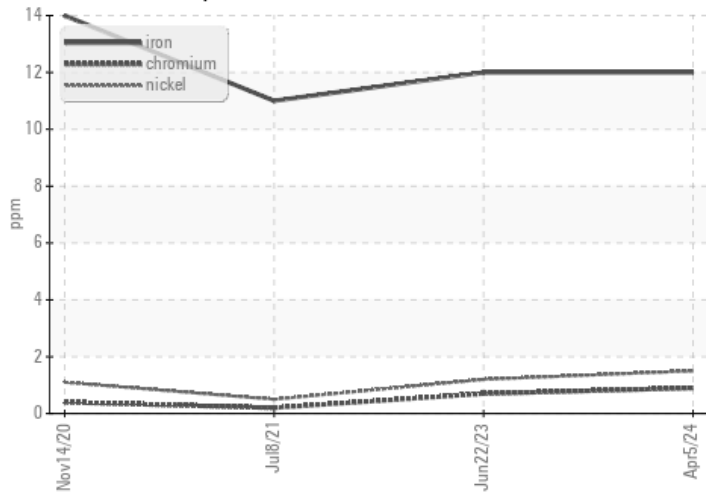


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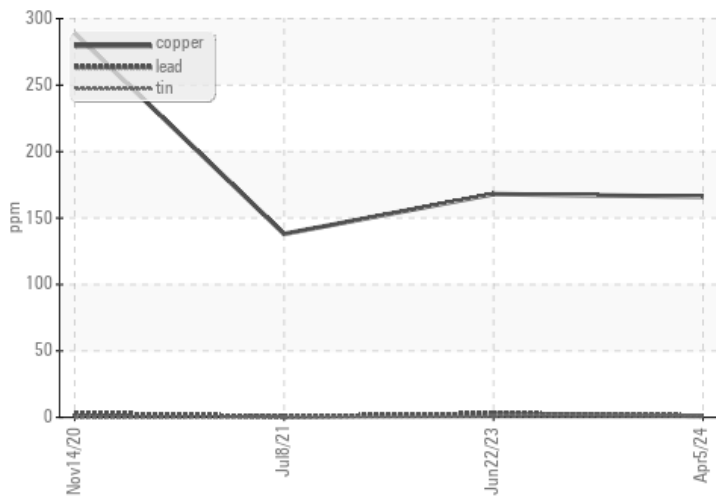


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C

