



# CONSTRUCTION EQUIPMENT

## A11722 VOLVO A40G DE-1622 (S/N 352023) - WET DISC BRAKE



**Sample No:** VCP441977  
**Oil Type:** VOLVO WB 102  
**Job No:** A11722



### SAMPLE INFORMATION

Sample Number	<b>VCP441977</b>	VCP367404	VCB0000007	VCP284748
Sample Date	<b>09 Jan 2024</b>	29 Nov 2022	21 Oct 2021	22 Jul 2020
Machine Hours	<b>3123</b>	2635	2030	890
Oil Hours	<b>0</b>	0	2030	890
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Not Changd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	NORMAL

### DYER QUARRY

P.O. BOX 188, 1275 ROCK HOLLOW ROAD  
 BIRDSBORO, PA  
 US 19508  
 Contact: MATT MCCLELLAND  
 matt.mcclelland@dyerquarry.com  
 T:  
 F: (610)582-2304



### OIL CONDITION

Visc @ 40°C	cSt	<b>40.5</b>	40.2	43.1	40.3
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>19</b>	19	16	17
Sodium	ppm	<b>6</b>	6	1	6
Potassium	ppm	<b>0</b>	0	<1	6



### WEAR METALS

Iron	ppm	<b>24</b>	25	16	11
Copper	ppm	<b>311</b>	306	252	87
Lead	ppm	<b>0</b>	4	<1	0
Tin	ppm	<b>&lt;1</b>	<1	<1	0
Aluminum	ppm	<b>&lt;1</b>	2	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	<1	<1	0
Nickel	ppm	<b>5</b>	6	5	4
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>2</b>	2	1	<1
Vanadium	ppm	<b>0</b>	<1	<1	0



### ADDITIVES

Calcium	ppm	<b>3572</b>	4040	4038	4226
Magnesium	ppm	<b>7</b>	10	6	6
Zinc	ppm	<b>1523</b>	1704	1568	1754
Phosphorus	ppm	<b>1345</b>	1383	1352	1426
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>110</b>	123	135	128

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other 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.

**Depot:** DYEBIR  
**Unique No:** 10822036  
**Signed:** Angela Borella  
**Report Date:** 10 Jan 2024

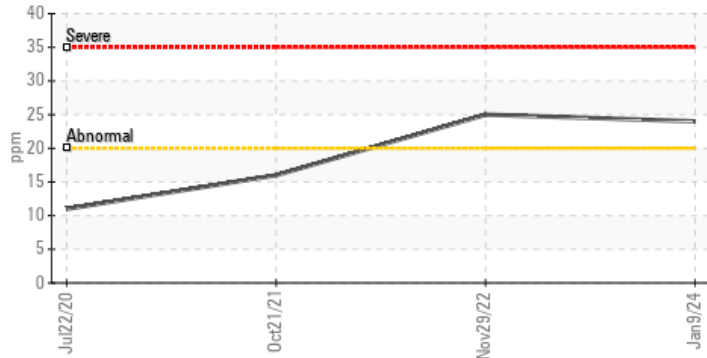


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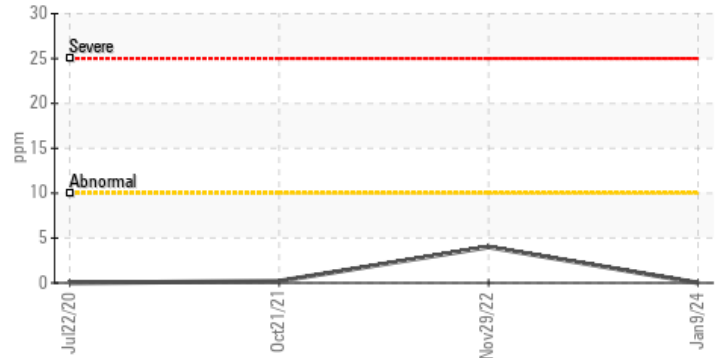


## GRAPHS

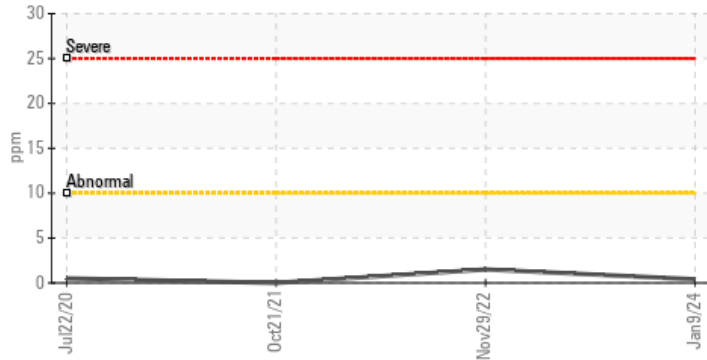
### Iron (ppm)



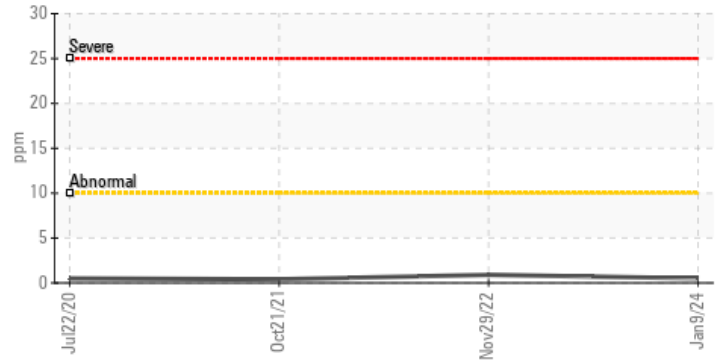
### Lead (ppm)



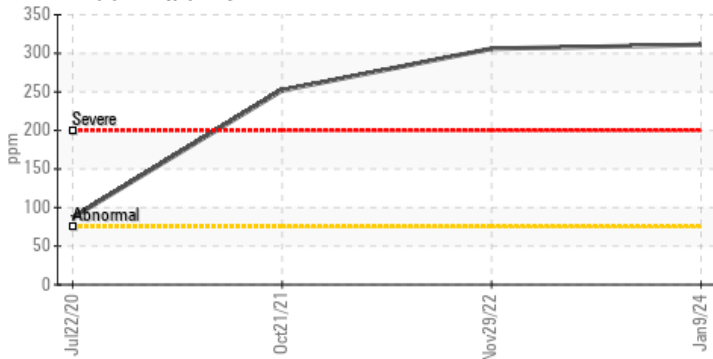
### Aluminum (ppm)



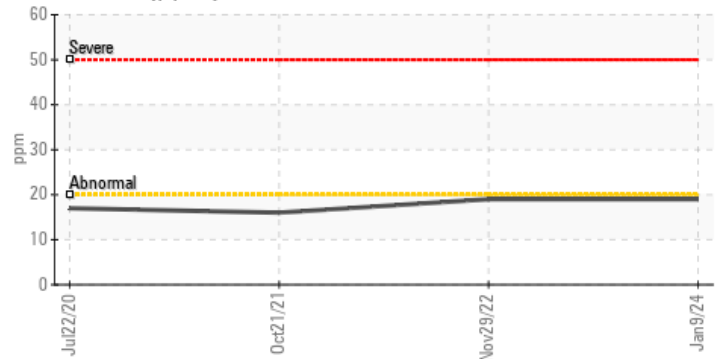
### Chromium (ppm)



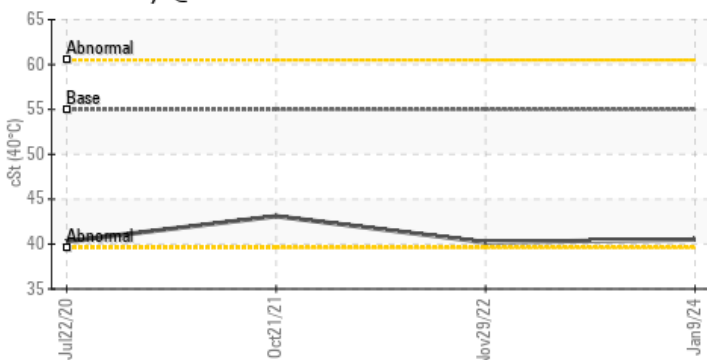
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

