



# CONSTRUCTION EQUIPMENT

## VOLVO A30G 752302 - WET DISC BRAKE



**Sample No:** VCP06212154  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP06212154</b>	VCP351618	---	---
Sample Date	<b>12 Jun 2024</b>	17 Feb 2022	---	---
Machine Hours	<b>5450</b>	983	---	---
Oil Hours	<b>0</b>	1500	---	---
Oil Changed	<b>Not Changed</b>	Not Changed	---	---
Sample Status	<b>ABNORMAL</b>	NORMAL	---	---

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
TAMPA, FL  
US 33619  
Contact: PM Services  
PMServices@ripaconstruction.com  
T:  
F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>43.8</b>	103	---	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>12</b>	10	---	---
Sodium	ppm	<b>5</b>	0	---	---
Potassium	ppm	<b>3</b>	4	---	---



### WEAR METALS

Iron	ppm	<b>15</b>	16	---	---
Copper	ppm	<b>480</b>	6	---	---
Lead	ppm	<b>&lt;1</b>	<1	---	---
Tin	ppm	<b>&lt;1</b>	1	---	---
Aluminum	ppm	<b>2</b>	7	---	---
Chromium	ppm	<b>&lt;1</b>	<1	---	---
Molybdenum	ppm	<b>1</b>	81	---	---
Nickel	ppm	<b>2</b>	0	---	---
Titanium	ppm	<b>&lt;1</b>	<1	---	---
Silver	ppm	<b>&lt;1</b>	0	---	---
Manganese	ppm	<b>2</b>	<1	---	---
Vanadium	ppm	<b>&lt;1</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>3499</b>	1660	---	---
Magnesium	ppm	<b>12</b>	472	---	---
Zinc	ppm	<b>1202</b>	1341	---	---
Phosphorus	ppm	<b>1188</b>	1118	---	---
Barium	ppm	<b>2</b>	0	---	---
Boron	ppm	<b>111</b>	425	---	---

### Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The copper level is abnormal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** RIPTAM  
**Unique No:** 11085018  
**Signed:** Don Baldrige  
**Report Date:** 19 Jun 2024

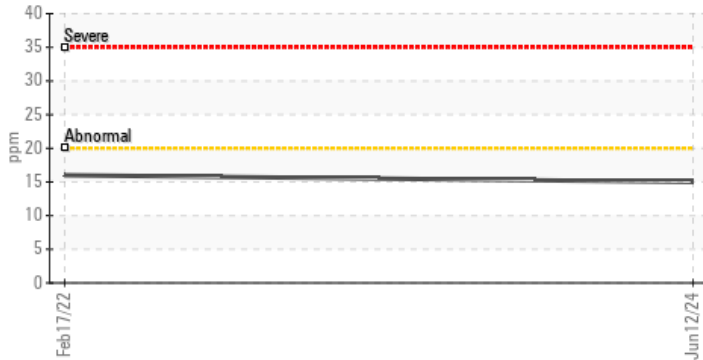


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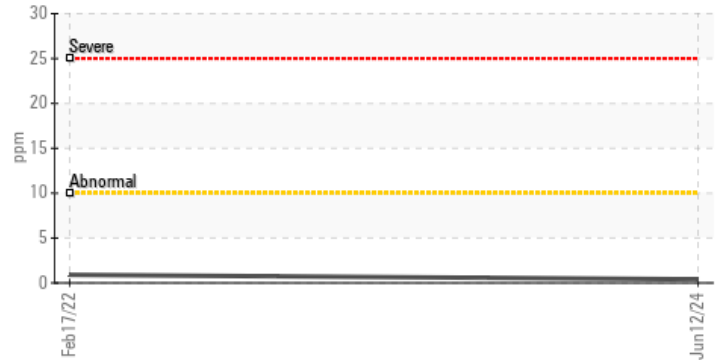


## GRAPHS

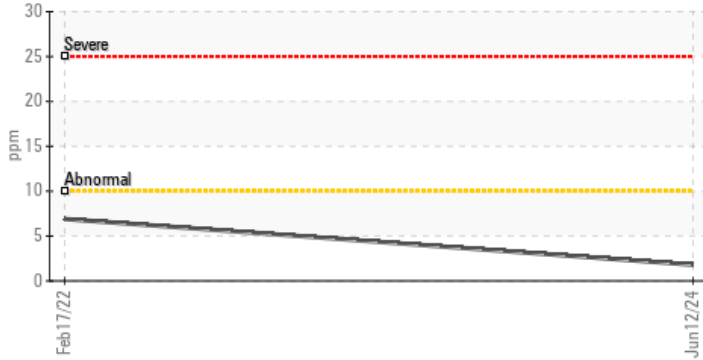
### Iron (ppm)



### Lead (ppm)



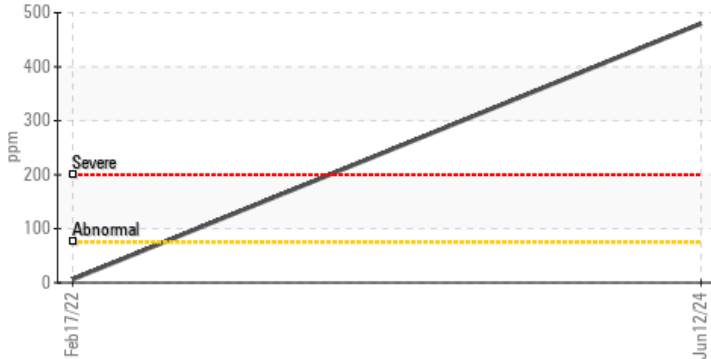
### Aluminum (ppm)



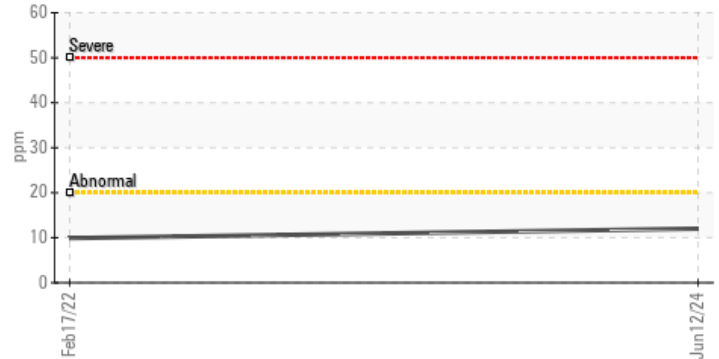
### Chromium (ppm)



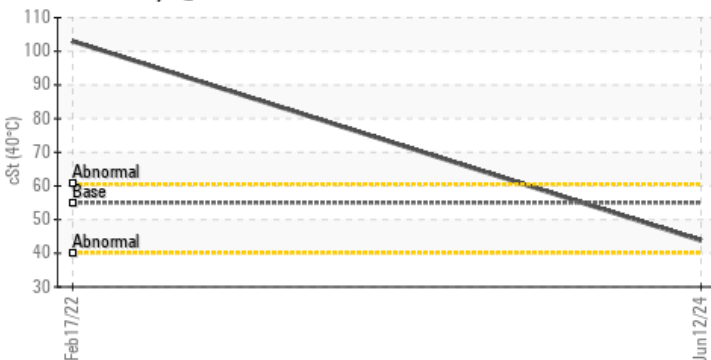
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

