



# CONSTRUCTION EQUIPMENT

## A10936 VOLVO A30G 742440 - WET DISC BRAKE



**Sample No:** VCP412035  
**Oil Type:** MOBIL WB 102  
**Job No:** A10936



### SAMPLE INFORMATION

Sample Number	<b>VCP412035</b>	VCP363431	VCP261242	---
Sample Date	<b>25 Aug 2023</b>	05 Mar 2022	30 Oct 2020	---
Machine Hours	<b>3180</b>	1990	1040	---
Oil Hours	<b>3180</b>	1990	1040	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>ABNORMAL</b>	NORMAL	ABNORMAL	---

### K C CONSTRUCTION

1737 STOUT DRIVE  
 IVYLAND, PA  
 US 18974

Contact: DUKE D.  
 duked@kcconstruct.com  
 T: (267)784-7337  
 F: x:



### OIL CONDITION

Visc @ 40°C	cSt	<b>41.1</b>	46.5	39.3	---
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### CONTAMINATION

Water	%	<b>0.304</b>	---	---	---
Silicon	ppm	<b>19</b>	5	18	---
Sodium	ppm	<b>6</b>	2	6	---
Potassium	ppm	<b>4</b>	0	5	---



### WEAR METALS

Iron	ppm	<b>18</b>	9	10	---
Copper	ppm	<b>405</b>	6	280	---
Lead	ppm	<b>4</b>	2	0	---
Tin	ppm	<b>0</b>	<1	0	---
Aluminum	ppm	<b>&lt;1</b>	2	<1	---
Chromium	ppm	<b>0</b>	<1	<1	---
Molybdenum	ppm	<b>0</b>	<1	2	---
Nickel	ppm	<b>1</b>	0	<1	---
Titanium	ppm	<b>0</b>	<1	1	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>2</b>	<1	1	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>3324</b>	127	3694	---
Magnesium	ppm	<b>3</b>	0	5	---
Zinc	ppm	<b>1442</b>	461	1543	---
Phosphorus	ppm	<b>1231</b>	405	1299	---
Barium	ppm	<b>0</b>	0	<1	---
Boron	ppm	<b>121</b>	6	115	---

### Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. An increase in the iron level is noted. The copper level is abnormal. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** KCCIVY  
**Unique No:** 10648991  
**Signed:** Angela Borella  
**Report Date:** 19 Sep 2023

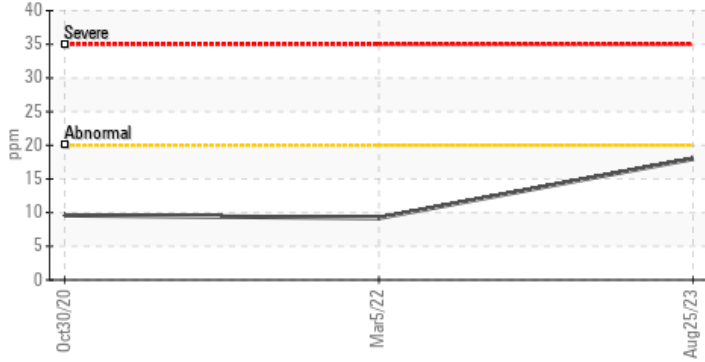


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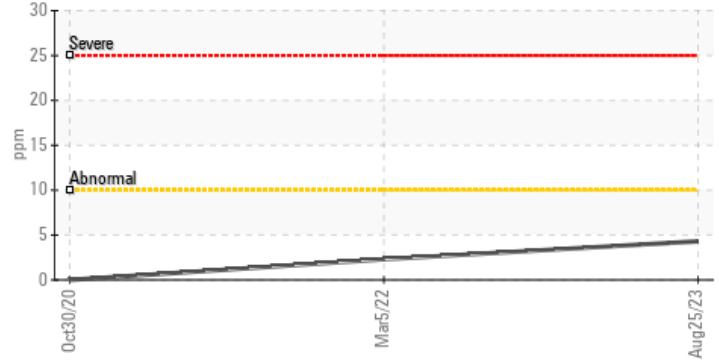


## GRAPHS

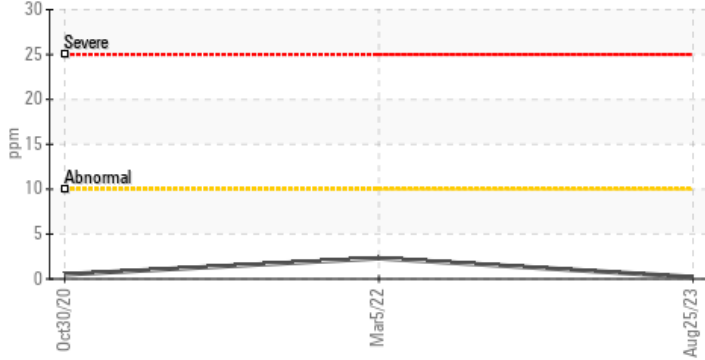
### ▲ Iron (ppm)



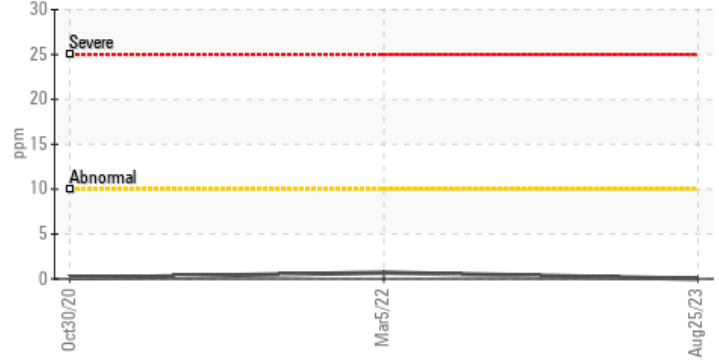
### Lead (ppm)



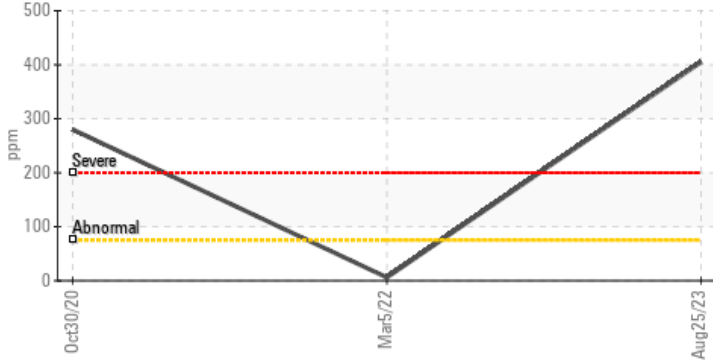
### Aluminum (ppm)



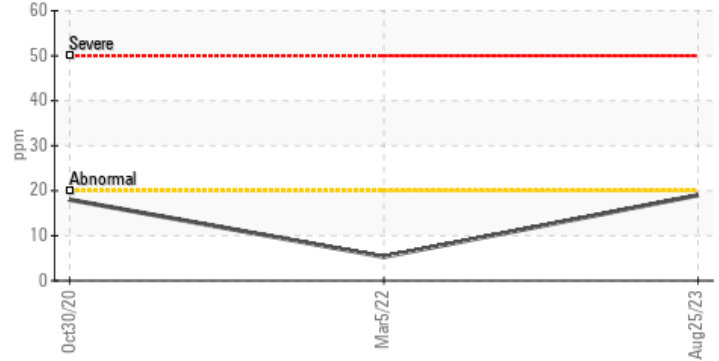
### Chromium (ppm)



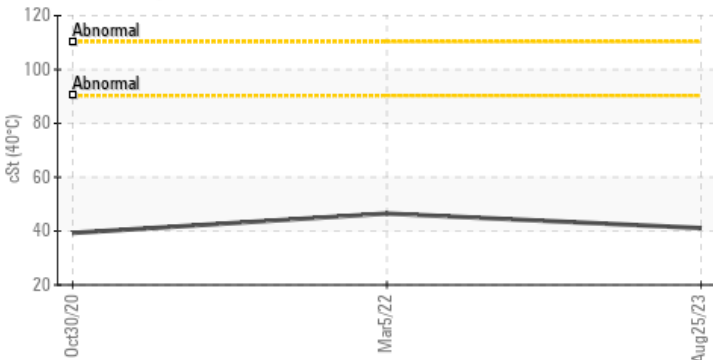
### ▲ Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### ▲ Water

