



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342608 - WET DISC BRAKE



**Sample No:** VCP433636  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP433636</b>	VCP331578	VCP339689	VCP405659
Sample Date	<b>02 Apr 2024</b>	11 Dec 2023	03 Oct 2023	21 Aug 2023
Machine Hours	<b>11716</b>	11060	10659	10330
Oil Hours	<b>1057</b>	401	2155	1826
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>51.1</b>	52.5	49.6	49.8
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>15</b>	20	15	14
Sodium	ppm	<b>5</b>	1	2	5
Potassium	ppm	<b>0</b>	0	2	<1

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron 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.



### WEAR METALS

Iron	ppm	<b>74</b>	13	17	16
Copper	ppm	<b>35</b>	27	60	47
Lead	ppm	<b>&lt;1</b>	0	<1	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	1	1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	0	<1	0
Nickel	ppm	<b>&lt;1</b>	1	3	2
Titanium	ppm	<b>0</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	<1	0	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3134</b>	3295	3305	3213
Magnesium	ppm	<b>14</b>	17	13	16
Zinc	ppm	<b>1270</b>	1393	1400	1323
Phosphorus	ppm	<b>1329</b>	1109	1118	1086
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>131</b>	103	113	124

**Depot:** SCHGRE  
**Unique No:** 10990236  
**Signed:** Don Baldrige  
**Report Date:** 23 Apr 2024

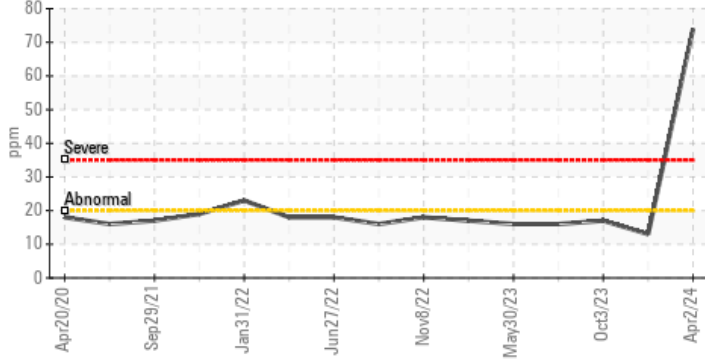


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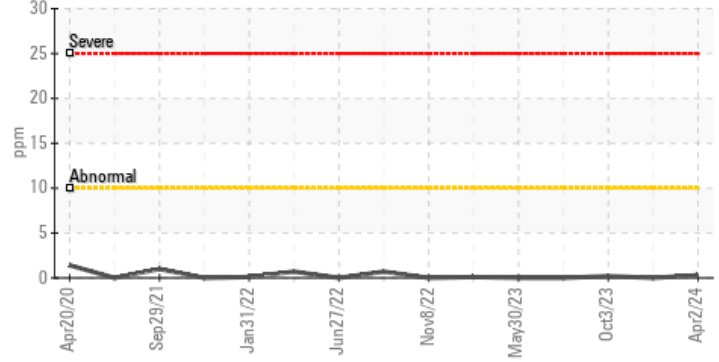


## VOLVO GRAPHS

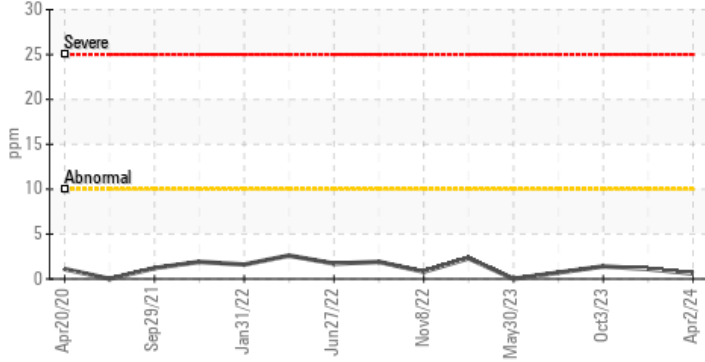
### ▲ Iron (ppm)



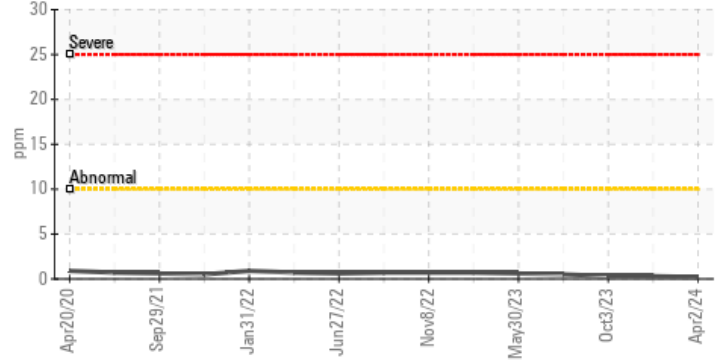
### Lead (ppm)



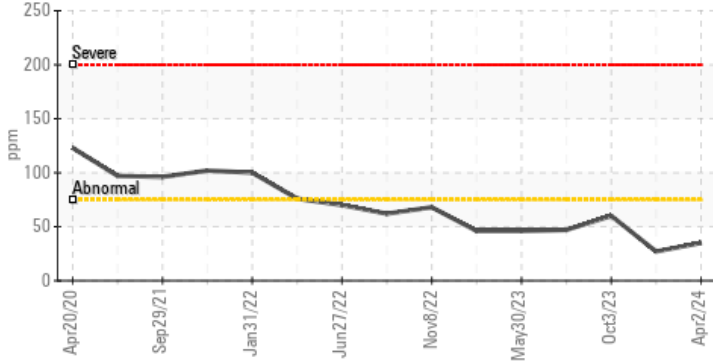
### Aluminum (ppm)



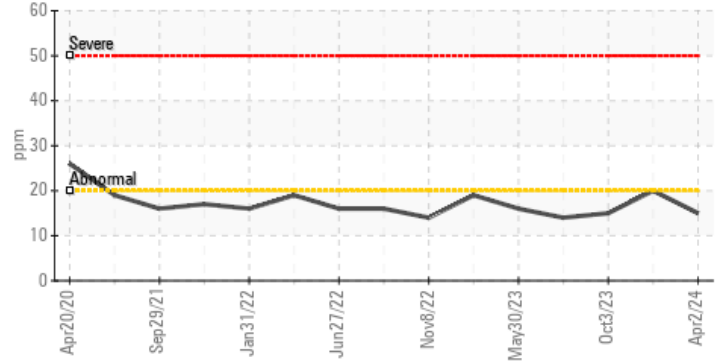
### Chromium (ppm)



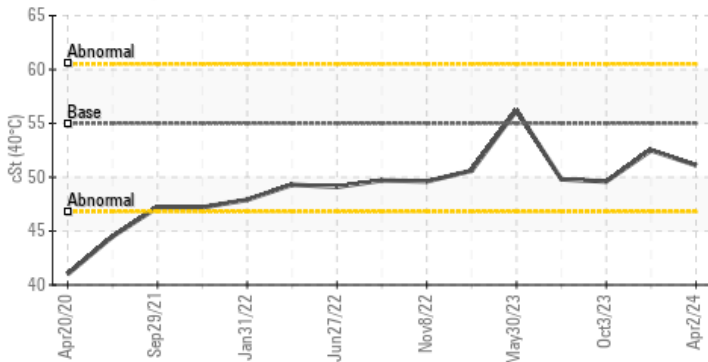
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

