



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352349 - WET DISC BRAKE



**Sample No:** VCP436354  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP436354</b>	VCP393400	VCP341881	VCP406463
Sample Date	<b>08 Feb 2024</b>	30 Oct 2023	09 Oct 2023	29 Aug 2023
Machine Hours	<b>6743</b>	6234	6086	5785
Oil Hours	<b>1265</b>	756	608	307
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>47.2</b>	47.6	44.5	44.9
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>16</b>	17	15	14
Sodium	ppm	<b>2</b>	5	4	6
Potassium	ppm	<b>2</b>	0	2	0

### Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The iron level is abnormal. The copper level is abnormal. 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>23</b>	21	16	16
Copper	ppm	<b>123</b>	99	158	133
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	<1	1	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	0
Nickel	ppm	<b>4</b>	3	4	3
Titanium	ppm	<b>&lt;1</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3669</b>	3416	3213	3270
Magnesium	ppm	<b>16</b>	7	11	15
Zinc	ppm	<b>1526</b>	1468	1427	1418
Phosphorus	ppm	<b>1380</b>	1180	1184	1201
Barium	ppm	<b>12</b>	0	0	0
Boron	ppm	<b>127</b>	116	110	125

**Depot:** SCHGRE  
**Unique No:** 10876587  
**Signed:** Jonathan Hester  
**Report Date:** 16 Feb 2024

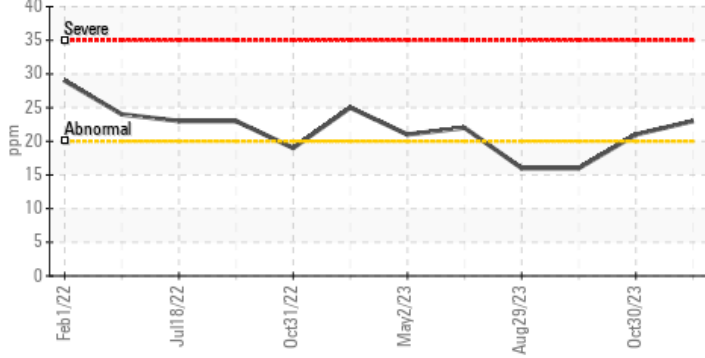


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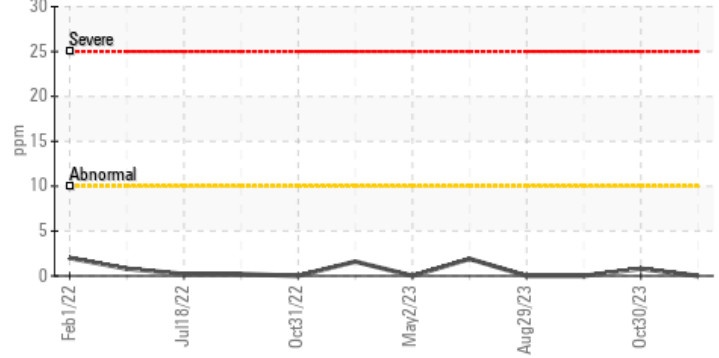


## VOLVO GRAPHS

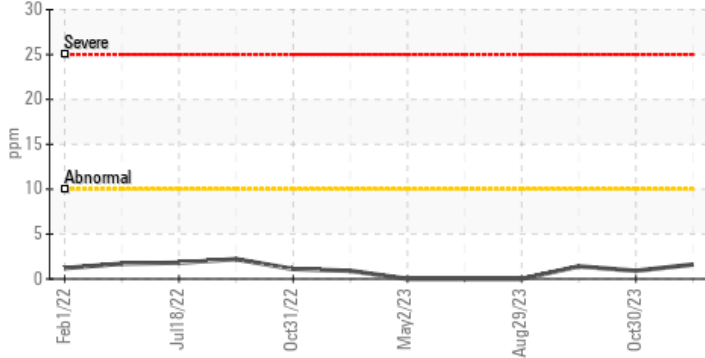
### ▲ Iron (ppm)



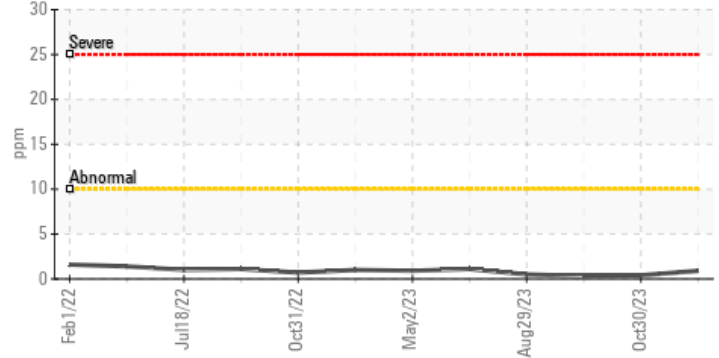
### Lead (ppm)



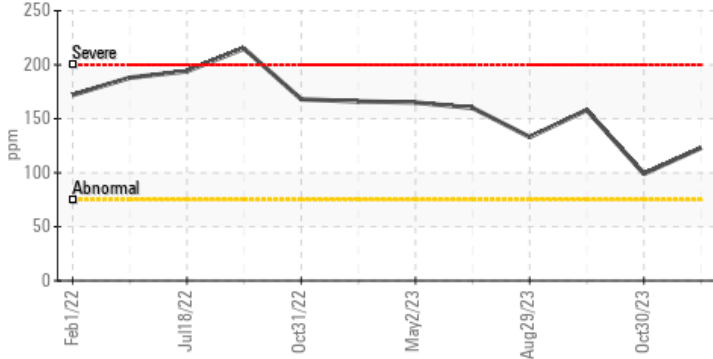
### Aluminum (ppm)



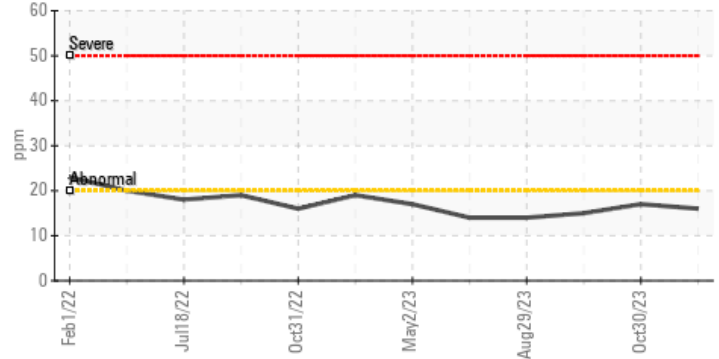
### Chromium (ppm)



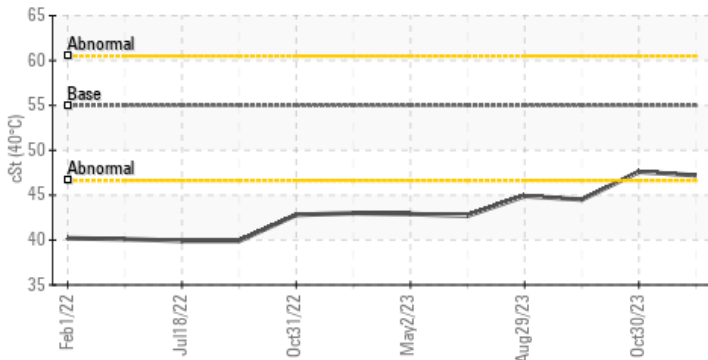
### ▲ Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

