



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342252 - WET DISC BRAKE



**Sample No:** VCP440661  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP440661</b>	VCP396953	VCP393301	VCP406797
Sample Date	<b>29 Nov 2023</b>	25 Sep 2023	29 Aug 2023	22 Mar 2023
Machine Hours	<b>11431</b>	11035	10867	9960
Oil Hours	<b>396</b>	1952	1784	877
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Not Changd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>49.4</b>	47.9	47.8	48.3
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>23</b>	27	27	20
Sodium	ppm	<b>3</b>	<1	1	5
Potassium	ppm	<b>0</b>	2	2	0

### 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>95</b>	87	106	62
Copper	ppm	<b>158</b>	217	215	162
Lead	ppm	<b>3</b>	<1	<1	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>4</b>	0	0	4
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>1</b>	<1	<1	<1
Nickel	ppm	<b>2</b>	4	4	2
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	1	2	2
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3291</b>	3018	3123	3159
Magnesium	ppm	<b>0</b>	13	13	16
Zinc	ppm	<b>1215</b>	1304	1316	1276
Phosphorus	ppm	<b>1131</b>	1139	1144	1106
Barium	ppm	<b>0</b>	1	1	0
Boron	ppm	<b>124</b>	85	89	101

**Depot:** SCHGRE  
**Unique No:** 10780762  
**Signed:** Don Baldrige  
**Report Date:** 14 Dec 2023

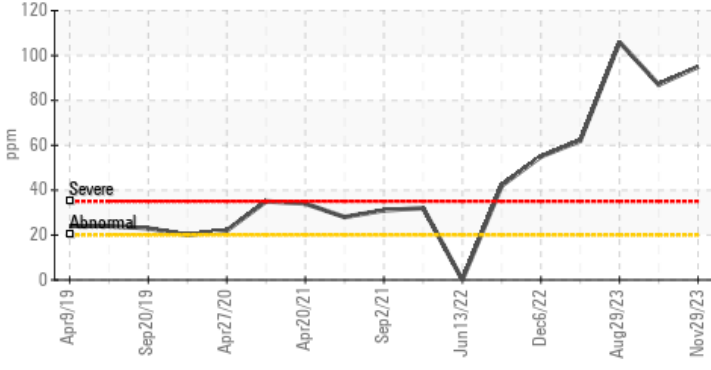


# CONSTRUCTION EQUIPMENT

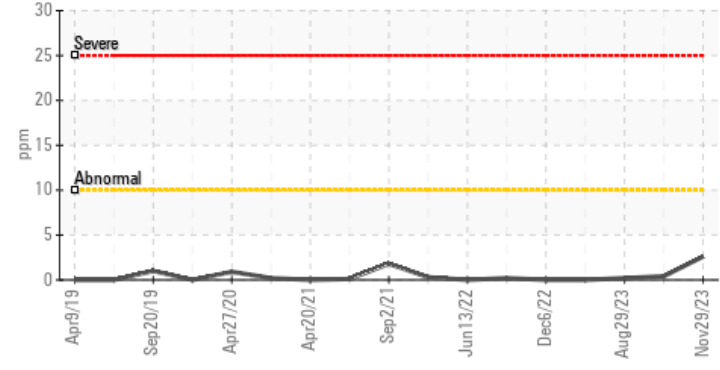


## GRAPHS

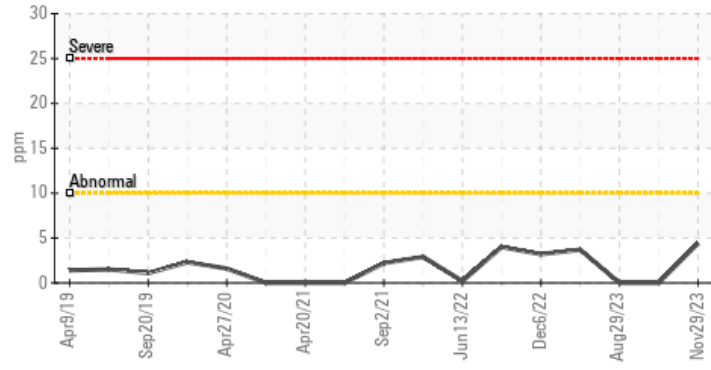
### ▲ Iron (ppm)



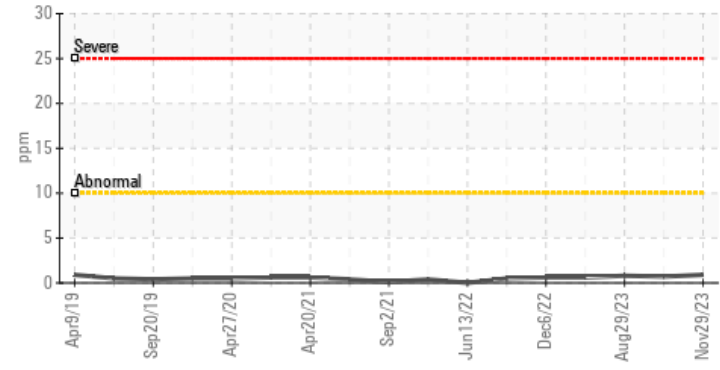
### Lead (ppm)



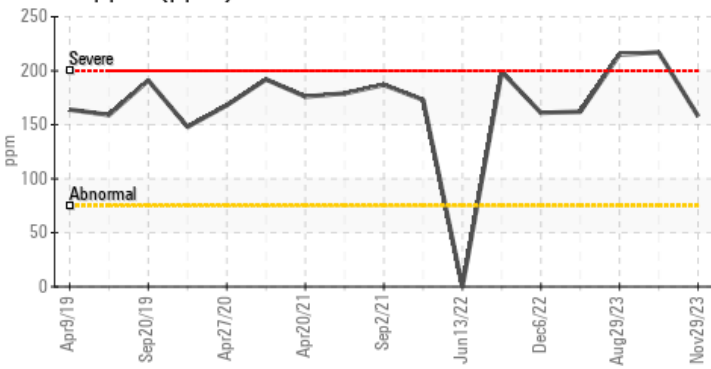
### Aluminum (ppm)



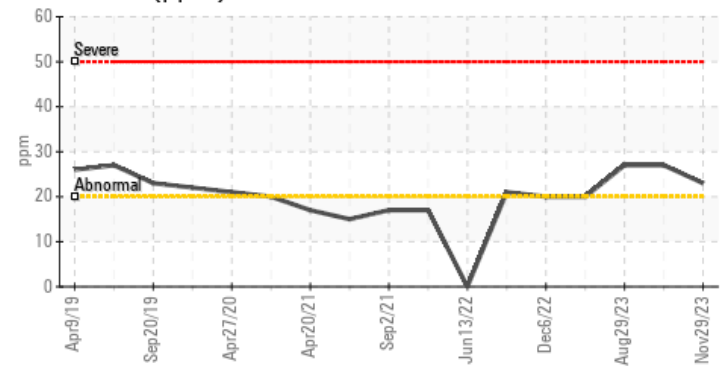
### Chromium (ppm)



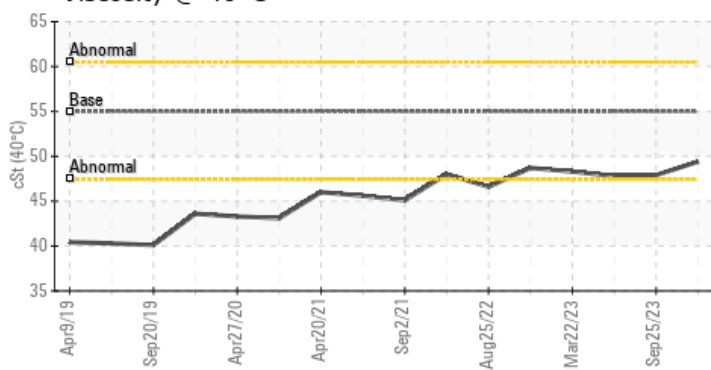
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

