



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342373 - WET DISC BRAKE



**Sample No:** VCP341876  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP341876</b>	VCP400063	VCP404854	VCP385072
Sample Date	<b>09 Oct 2023</b>	19 Jul 2023	02 May 2023	13 Feb 2023
Machine Hours	<b>11957</b>	11379	10860	10345
Oil Hours	<b>1612</b>	1034	515	2115
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>47.6</b>	49.3	48.7	47.2
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### CONTAMINATION

Silicon	ppm	<b>16</b>	16	16	16
Sodium	ppm	<b>2</b>	6	6	8
Potassium	ppm	<b>2</b>	0	0	0



### WEAR METALS

Iron	ppm	<b>25</b>	24	22	32
Copper	ppm	<b>150</b>	118	121	172
Lead	ppm	<b>0</b>	1	0	1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>1</b>	<1	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>4</b>	4	3	5
Titanium	ppm	<b>&lt;1</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	1	1	2
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>3019</b>	2914	3138	3116
Magnesium	ppm	<b>11</b>	15	15	17
Zinc	ppm	<b>1353</b>	1249	1359	1241
Phosphorus	ppm	<b>1162</b>	1072	1141	1072
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>103</b>	103	90	103

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. The copper level is abnormal. Moderate concentration of visible dirt/debris present in the oil. There is a moderate amount of visible silt present in the sample. The condition of the oil is acceptable for the time in service.

**Depot:** SCHGRE  
**Unique No:** 10701234  
**Signed:** Jonathan Hester  
**Report Date:** 24 Oct 2023

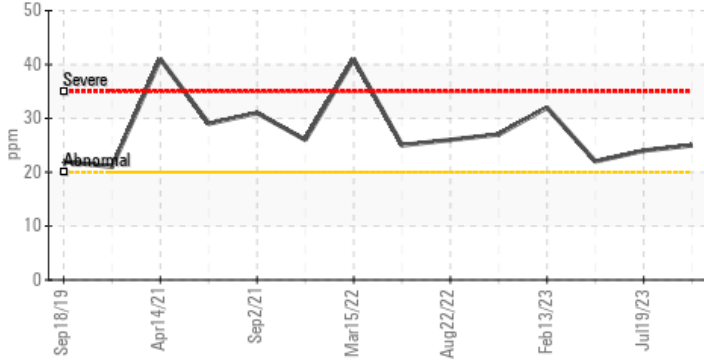


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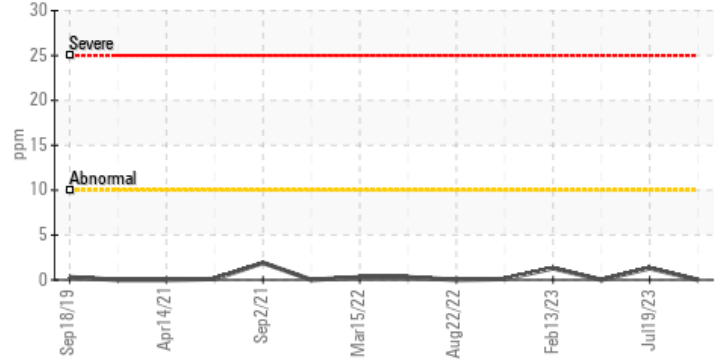


## VOLVO GRAPHS

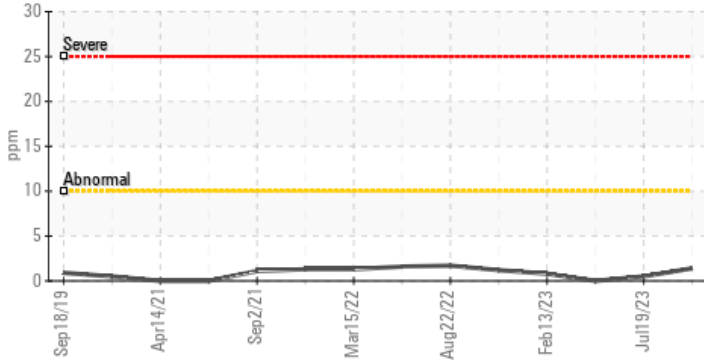
### ▲ Iron (ppm)



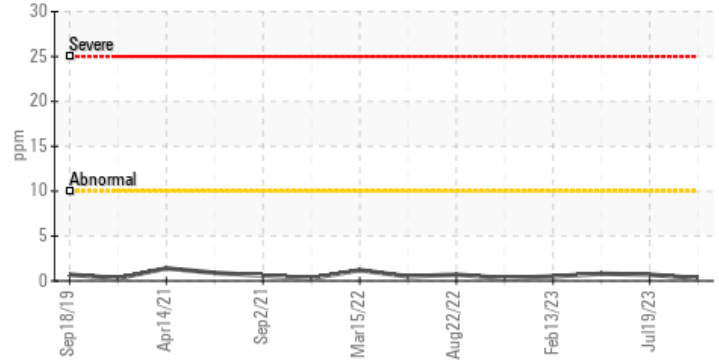
### Lead (ppm)



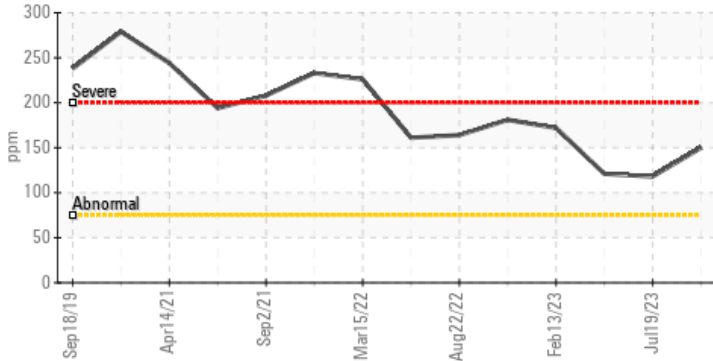
### Aluminum (ppm)



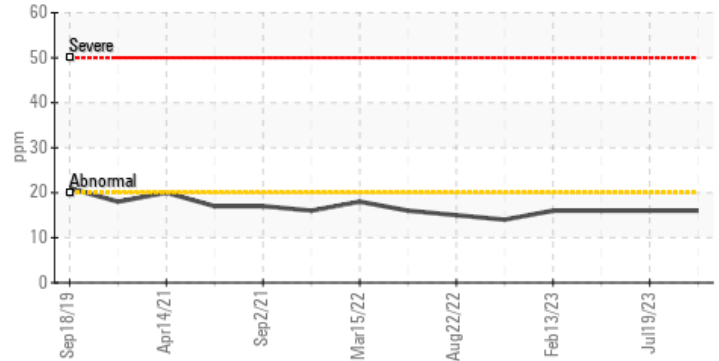
### Chromium (ppm)



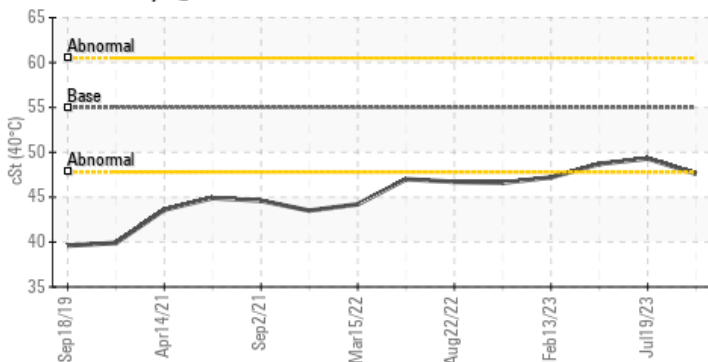
### ▲ Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

