



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 340668 - WET DISC BRAKE



**Sample No:** VCP406128  
**Oil Type:** MOBIL MOBILGARD 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP406128</b>	VCP405742	VCP384412	VCP377135
Sample Date	<b>01 Aug 2023</b>	20 Jun 2023	27 Mar 2023	12 Dec 2022
Machine Hours	<b>16113</b>	15839	15225	14690
Oil Hours	<b>2004</b>	1730	1116	581
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	NORMAL

**SCHILDBERG CONSTRUCTION COMPANY**  
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 F: (641)743-2486



### OIL CONDITION

Visc @ 40°C	cSt	<b>51.5</b>	51.7	51.6	52.2
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### CONTAMINATION

Silicon	ppm	<b>13</b>	19	16	16
Sodium	ppm	<b>3</b>	7	8	6
Potassium	ppm	<b>2</b>	0	<1	2



### WEAR METALS

Iron	ppm	<b>14</b>	15	18	20
Copper	ppm	<b>61</b>	53	53	56
Lead	ppm	<b>&lt;1</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	<1	2	1
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>&lt;1</b>	<1	1	0
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
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>3354</b>	3412	3428	3726
Magnesium	ppm	<b>16</b>	16	21	19
Zinc	ppm	<b>1336</b>	1384	1389	1444
Phosphorus	ppm	<b>1152</b>	1114	1144	1170
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>123</b>	117	110	111

### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. 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:** 10617690  
**Signed:** Jonathan Hester  
**Report Date:** 25 Aug 2023

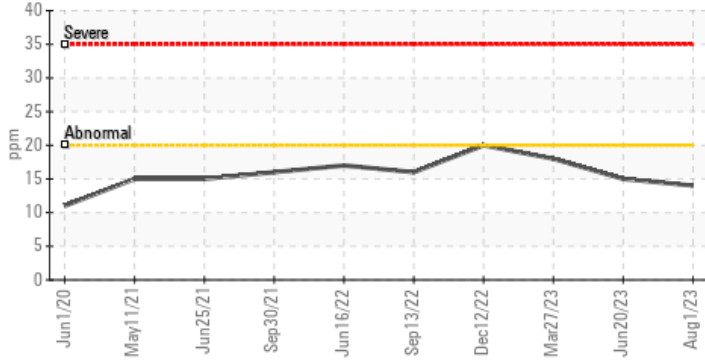


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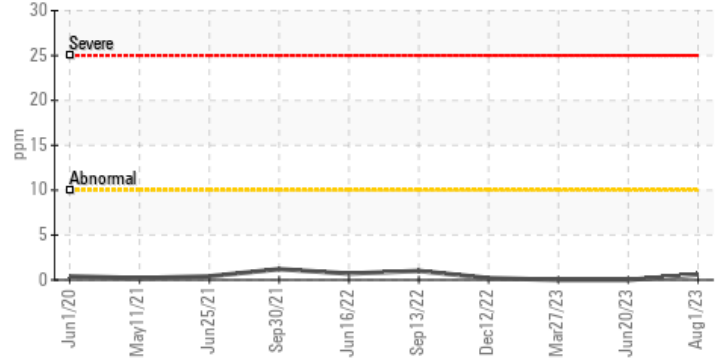


## GRAPHS

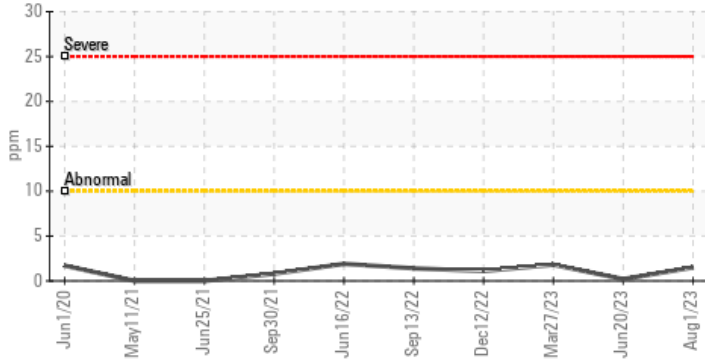
### Iron (ppm)



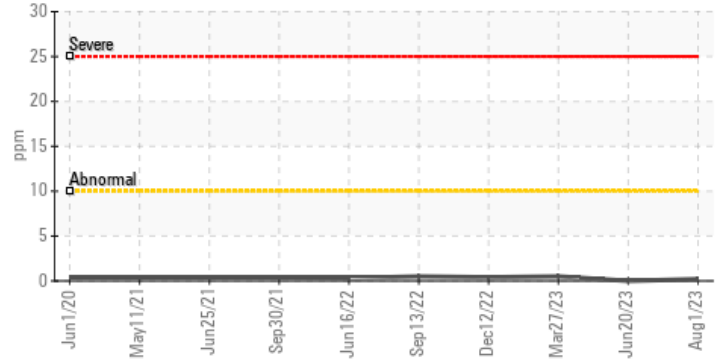
### Lead (ppm)



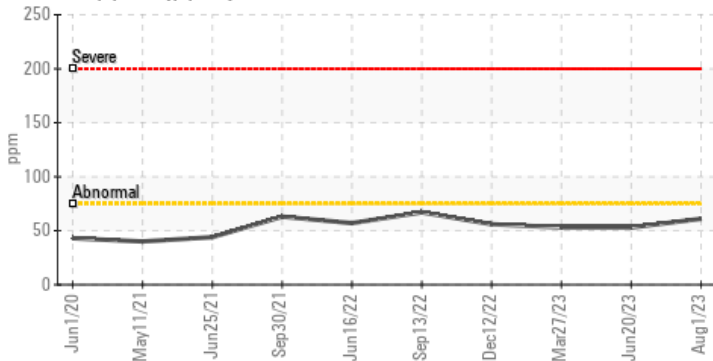
### Aluminum (ppm)



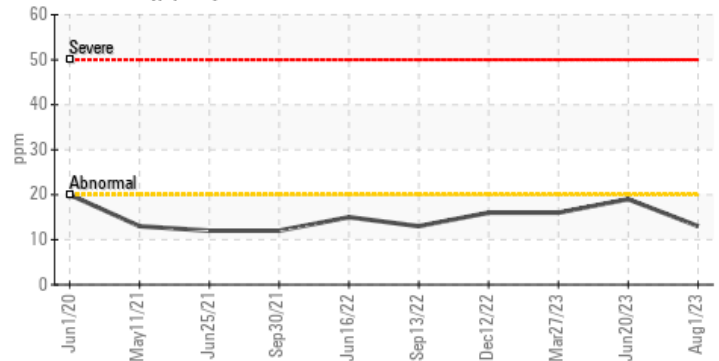
### Chromium (ppm)



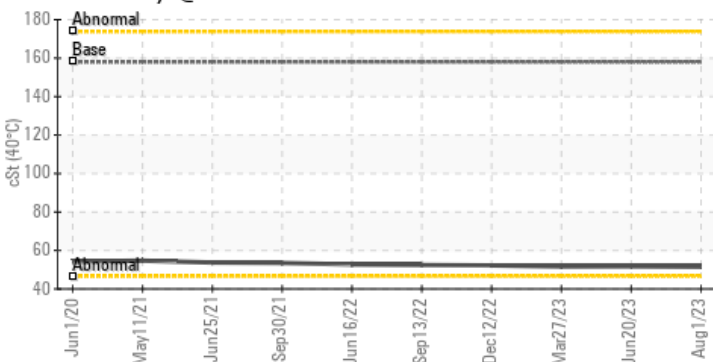
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

