



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 353407 - WET DISC BRAKE



**Sample No:** VCP447457  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP447457</b>	VCP435156	VCP341893	VCP312572
Sample Date	<b>06 Jun 2024</b>	02 Apr 2024	14 Dec 2023	03 Oct 2023
Machine Hours	<b>2148</b>	1644	997	504
Oil Hours	<b>1751</b>	1247	600	504
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**SCHILDBERG CONSTRUCTION COMPANY**  
 PO BOX 358  
 GREENFIELD, IA  
 US 50849  
 Contact: SCOTT ARMSTRONG  
 sarmstrong@schildberg.com  
 T: (641)743-8237  
 F: (641)743-2486



### OIL CONDITION

Visc @ 40°C	cSt	<b>41.0</b>	41.6	41.4	41.3
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>18</b>	19	16	18
Sodium	ppm	<b>4</b>	7	4	2
Potassium	ppm	<b>3</b>	<1	0	2

### Diagnosis

Resample at the next service interval to monitor. All 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>22</b>	20	9	8
Copper	ppm	<b>58</b>	58	41	28
Lead	ppm	<b>0</b>	<1	0	<1
Tin	ppm	<b>0</b>	<1	<1	0
Aluminum	ppm	<b>2</b>	<1	<1	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	0	0	0
Nickel	ppm	<b>5</b>	3	3	3
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	1	<1	0
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3627</b>	3834	3725	3900
Magnesium	ppm	<b>7</b>	9	8	7
Zinc	ppm	<b>1558</b>	1581	1558	1623
Phosphorus	ppm	<b>1335</b>	1383	1277	1283
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>118</b>	151	119	140

**Depot:** SCHGRE  
**Unique No:** 11085031  
**Signed:** Don Baldrige  
**Report Date:** 19 Jun 2024

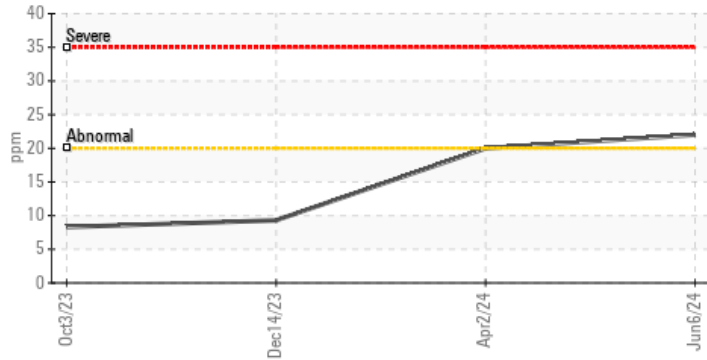


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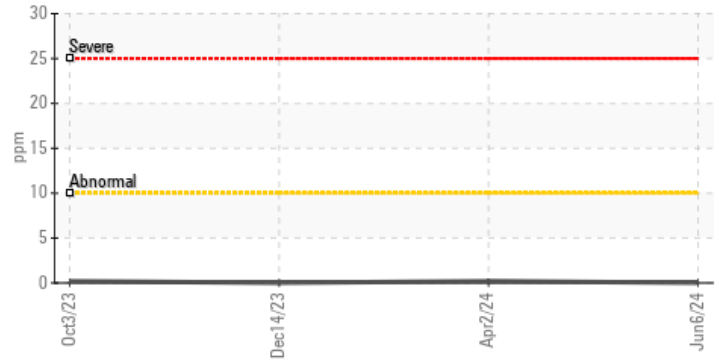


## GRAPHS

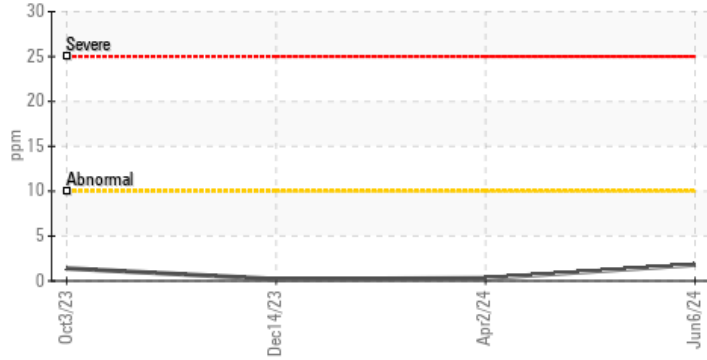
### Iron (ppm)



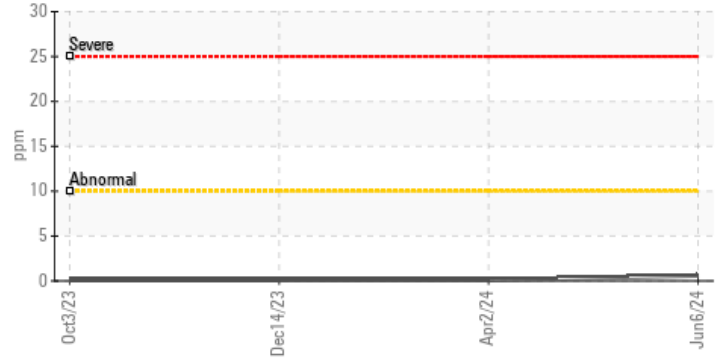
### Lead (ppm)



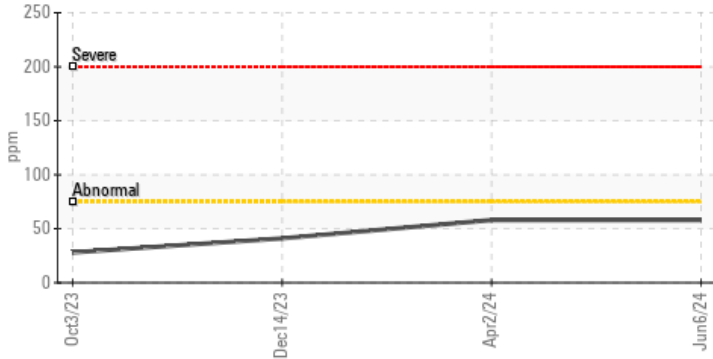
### Aluminum (ppm)



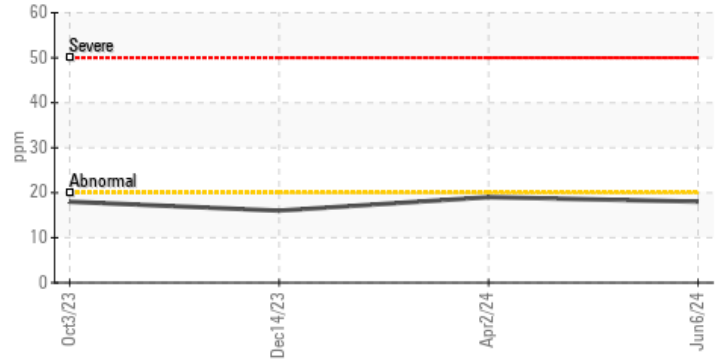
### Chromium (ppm)



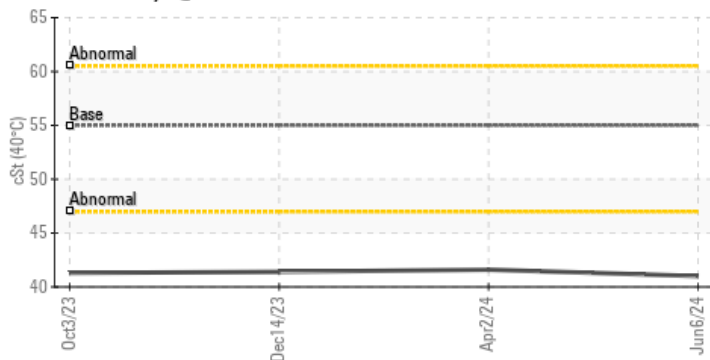
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

