



# CONSTRUCTION EQUIPMENT

## 2738 VOLVO A40F 12382 - WET DISC BRAKE



**Sample No:** VCP312568  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:** 2738



### SAMPLE INFORMATION

Sample Number	<b>VCP312568</b>	VCP385204	VCP358440	VCP347697
Sample Date	<b>01 Sep 2023</b>	24 Jan 2023	14 Jul 2022	01 Jun 2022
Machine Hours	<b>13992</b>	12493	11416	11122
Oil Hours	<b>973</b>	1371	294	1554
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>52.4</b>	53.3	52.4	52.4
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### CONTAMINATION

Silicon	ppm	<b>14</b>	16	15	16
Sodium	ppm	<b>4</b>	6	4	6
Potassium	ppm	<b>1</b>	0	2	0

### 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>23</b>	22	23	25
Copper	ppm	<b>31</b>	23	30	26
Lead	ppm	<b>&lt;1</b>	<1	<1	<1
Tin	ppm	<b>0</b>	0	0	<1
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>	0	0	<1
Titanium	ppm	<b>0</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>&lt;1</b>	1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3300</b>	3406	3552	3353
Magnesium	ppm	<b>20</b>	26	17	19
Zinc	ppm	<b>1397</b>	1269	1442	1290
Phosphorus	ppm	<b>1137</b>	1023	1183	1050
Barium	ppm	<b>0</b>	0	2	0
Boron	ppm	<b>123</b>	115	134	116

**Depot:** SCHGRE  
**Unique No:** 10672282  
**Signed:** Don Baldrige  
**Report Date:** 02 Oct 2023



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## VOLVO GRAPHS

