



# CONSTRUCTION EQUIPMENT

## 2744 VOLVO A40F 12386 - WET DISC BRAKE



**Sample No:** VCP402898  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:** 2744



### SAMPLE INFORMATION

Sample Number	<b>VCP402898</b>	VCP406697	VCP05725136	VCP363696
Sample Date	<b>19 Jul 2023</b>	22 Mar 2023	06 Dec 2022	21 Sep 2022
Machine Hours	<b>11382</b>	10781	10272	9856
Oil Hours	<b>1999</b>	1398	889	473
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>53.0</b>	52.3	52.5	53.6
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### CONTAMINATION

Silicon	ppm	<b>18</b>	▲ 24	11	14
Sodium	ppm	<b>4</b>	4	2	<1
Potassium	ppm	<b>0</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>20</b>	30	14	15
Copper	ppm	<b>32</b>	32	32	27
Lead	ppm	<b>1</b>	0	<1	<1
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>0</b>	1	<1	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3235</b>	3429	3560	3560
Magnesium	ppm	<b>22</b>	22	17	19
Zinc	ppm	<b>1316</b>	1354	1425	1382
Phosphorus	ppm	<b>1061</b>	1110	1168	1112
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>114</b>	119	106	106

**Depot:** SCHGRE  
**Unique No:** 10586822  
**Signed:** Don Baldrige  
**Report Date:** 04 Aug 2023



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## GRAPHS

