



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 341476 - WET DISC BRAKE



**Sample No:** VCP404730  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP404730</b>	VCP400078	VCP384419	VCP359604
Sample Date	<b>24 Oct 2023</b>	20 Jun 2023	27 Mar 2023	09 Jan 2023
Machine Hours	<b>17166</b>	16355	15742	15295
Oil Hours	<b>1871</b>	1060	447	1806
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>50.5</b>	51.1	53.1	51.9
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### CONTAMINATION

Silicon	ppm	<b>14</b>	14	19	20
Sodium	ppm	<b>&lt;1</b>	7	7	5
Potassium	ppm	<b>2</b>	0	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>14</b>	17	17	25
Copper	ppm	<b>83</b>	68	67	71
Lead	ppm	<b>&lt;1</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>&lt;1</b>	<1	2	3
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>3</b>	2	<1	0
Titanium	ppm	<b>0</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>0</b>	<1	1	<1
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>3138</b>	3257	3133	3515
Magnesium	ppm	<b>13</b>	14	15	17
Zinc	ppm	<b>1340</b>	1369	1226	1421
Phosphorus	ppm	<b>1176</b>	1140	1030	1179
Barium	ppm	<b>0</b>	0	0	1
Boron	ppm	<b>97</b>	114	111	119

**Depot:** SCHGRE  
**Unique No:** 10724408  
**Signed:** Don Baldrige  
**Report Date:** 03 Nov 2023

**VOLVO** GRAPHS

