



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342610 - DROP BOX



**Sample No:** VCP406111  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP406111</b>	VCP385251	VCP337436	VCP347713
Sample Date	<b>24 Aug 2023</b>	06 Mar 2023	01 Sep 2022	11 Apr 2022
Machine Hours	<b>10233</b>	9074	7987	6891
Oil Hours	<b>1159</b>	1085	1098	1022
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>138</b>	138	135	134
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### CONTAMINATION

Silicon	ppm	<b>3</b>	4	3	5
Sodium	ppm	<b>0</b>	2	0	<1
Potassium	ppm	<b>&lt;1</b>	0	<1	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>105</b>	928	33	56
Copper	ppm	<b>0</b>	3	<1	<1
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>3</b>	9	4	8
Chromium	ppm	<b>1</b>	12	<1	1
Molybdenum	ppm	<b>2</b>	12	2	6
Nickel	ppm	<b>&lt;1</b>	9	0	1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	8	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>122</b>	139	148	217
Magnesium	ppm	<b>11</b>	8	6	15
Zinc	ppm	<b>47</b>	66	73	92
Phosphorus	ppm	<b>1005</b>	1013	982	972
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>223</b>	185	197	190

**Depot:** SCHGRE  
**Unique No:** 10634500  
**Signed:** Wes Davis  
**Report Date:** 07 Sep 2023



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## GRAPHS

