



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352351 - DROP BOX



**Sample No:** VCP416790  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP416790</b>	VCP406107	VCP362736	VCP337435
Sample Date	<b>13 Feb 2024</b>	24 Aug 2023	06 Mar 2023	01 Sep 2022
Machine Hours	<b>8269</b>	7188	6020	4915
Oil Hours	<b>1081</b>	1168	1105	1178
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	MARGINAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>138</b>	138	136	130
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>2</b>	3	4	3
Sodium	ppm	<b>&lt;1</b>	0	2	0
Potassium	ppm	<b>1</b>	<1	0	<1

### 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>15</b>	16	28	31
Copper	ppm	<b>&lt;1</b>	0	<1	2
Lead	ppm	<b>&lt;1</b>	0	0	<1
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	<1	<1
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>2</b>	2	4	4
Nickel	ppm	<b>&lt;1</b>	0	<1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<b>12</b>
Manganese	ppm	<b>&lt;1</b>	0	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>181</b>	142	161	187
Magnesium	ppm	<b>10</b>	14	10	11
Zinc	ppm	<b>71</b>	49	71	100
Phosphorus	ppm	<b>969</b>	1032	1047	1045
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>163</b>	229	184	167

**Depot:** SCHGRE  
**Unique No:** 10898650  
**Signed:** Wes Davis  
**Report Date:** 27 Feb 2024



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## VOLVO GRAPHS

