



# CONSTRUCTION EQUIPMENT

WO7013038 VOLVO A35G 342035 - DROP BOX



**Sample No:** VCP407233  
**Oil Type:** MOBIL 75W90  
**Job No:** WO7013038



## SAMPLE INFORMATION

Sample Number	<b>VCP407233</b>	VCP271486	VCP388167	VCP322082
Sample Date	<b>03 Aug 2023</b>	25 Apr 2023	06 Oct 2022	07 Sep 2022
Machine Hours	<b>8716</b>	8115	7137	7027
Oil Hours	<b>500</b>	0	0	800
Oil Changed	<b>Changed</b>	Changed	Changed	N/A
Sample Status	<b>SEVERE</b>	NORMAL	NORMAL	SEVERE

**McClung-Logan Virginia LLC- RICHMOND**  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>55.8</b>	152	53.7	59.4
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## CONTAMINATION

Silicon	ppm	<b>21</b>	14	18	2050
Sodium	ppm	<b>1</b>	1	<1	47
Potassium	ppm	<b>3</b>	1	2	182



## WEAR METALS

Iron	ppm	<b>1223</b>	243	83	4842
Copper	ppm	<b>4</b>	1	1	11
Lead	ppm	<b>&lt;1</b>	0	0	2
Tin	ppm	<b>0</b>	0	0	1
Aluminum	ppm	<b>9</b>	5	1	120
Chromium	ppm	<b>14</b>	3	<1	44
Molybdenum	ppm	<b>27</b>	14	2	4
Nickel	ppm	<b>4</b>	<1	0	14
Titanium	ppm	<b>0</b>	<1	0	31
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>10</b>	4	1	47
Vanadium	ppm	<b>0</b>	0	0	2



## ADDITIVES

Calcium	ppm	<b>54</b>	11	38	241
Magnesium	ppm	<b>2</b>	2	4	104
Zinc	ppm	<b>136</b>	117	39	200
Phosphorus	ppm	<b>2036</b>	1054	2330	1735
Barium	ppm	<b>0</b>	0	2	17
Boron	ppm	<b>178</b>	190	291	170

## Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is severe. Gear wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** VOLVO8882  
**Unique No:** 10604470  
**Signed:** Sean Felton  
**Report Date:** 15 Aug 2023



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## VOLVO GRAPHS

