



# CONSTRUCTION EQUIPMENT

WO7012960 VOLVO A45G 342207 - DROP BOX



**Sample No:** VCP404299  
**Oil Type:** MOBIL MOBILUBE HD 85W140  
**Job No:** WO7012960



## SAMPLE INFORMATION

Sample Number	<b>VCP404299</b>	VCP246331	VCP372995	VCP267017
Sample Date	<b>28 Jun 2023</b>	09 Dec 2022	28 Jul 2022	01 Jul 2020
Machine Hours	<b>9652</b>	8521	7899	3901
Oil Hours	<b>500</b>	600	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>ABNORMAL</b>	ABNORMAL	NORMAL	NORMAL

**McClung-Logan Virginia LLC- RICHMOND**  
 1345 MOUNTAIN ROAD  
 GLEN ALLEN, VA  
 US 23060  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>51.7</b>	50.5	47.4	45.7
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## CONTAMINATION

Silicon	ppm	<b>17</b>	17	15	34
Sodium	ppm	<b>1</b>	2	7	9
Potassium	ppm	<b>2</b>	1	4	0



## WEAR METALS

Iron	ppm	<b>139</b>	153	295	199
Copper	ppm	<b>&lt;1</b>	2	3	4
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>5</b>	9	16	12
Chromium	ppm	<b>1</b>	1	3	2
Molybdenum	ppm	<b>1</b>	2	5	9
Nickel	ppm	<b>0</b>	<1	2	1
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>2</b>	2	6	4
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>55</b>	18	79	49
Magnesium	ppm	<b>3</b>	1	0	<1
Zinc	ppm	<b>38</b>	40	192	60
Phosphorus	ppm	<b>2394</b>	2413	2160	2399
Barium	ppm	<b>0</b>	0	1	0
Boron	ppm	<b>100</b>	278	285	154

## Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO8882  
**Unique No:** 10604474  
**Signed:** Sean Felton  
**Report Date:** 15 Aug 2023



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## VOLVO GRAPHS

