



# CONSTRUCTION EQUIPMENT

13322 STANLEY VOLVO A45G 342399 - DROP BOX



**Sample No:** VCP432682  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:** 13322 STANLEY



## SAMPLE INFORMATION

Sample Number	<b>VCP432682</b>	VCP423628	VCP377646	VCP315036
Sample Date	<b>05 Sep 2023</b>	10 Apr 2023	29 Jun 2022	29 Apr 2021
Machine Hours	<b>7362</b>	6654	5620	4145
Oil Hours	<b>500</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	N/A	Changed
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

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

Visc @ 40°C	cSt	<b>56.2</b>	247	52.6	47.0
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## CONTAMINATION

Silicon	ppm	<b>6</b>	16	10	54
Sodium	ppm	<b>2</b>	<1	2	12
Potassium	ppm	<b>2</b>	0	0	5



## WEAR METALS

Iron	ppm	<b>263</b>	545	400	184
Copper	ppm	<b>1</b>	<1	4	3
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>&lt;1</b>	<1	23	14
Chromium	ppm	<b>2</b>	5	4	2
Molybdenum	ppm	<b>2</b>	7	9	4
Nickel	ppm	<b>&lt;1</b>	1	3	<1
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>4</b>	5	8	6
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>46</b>	16	60	55
Magnesium	ppm	<b>2</b>	1	1	6
Zinc	ppm	<b>77</b>	0	49	125
Phosphorus	ppm	<b>1902</b>	1205	2298	2444
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>116</b>	208	23	177

## Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. High concentration of visible metal present. 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.

**Depot:** VOLVO8882  
**Unique No:** 10642738  
**Signed:** Don Baldrige  
**Report Date:** 13 Sep 2023



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## GRAPHS

