



# CONSTRUCTION EQUIPMENT

SWO-06920 VOLVO A45G 352916 - DROP BOX



**Sample No:** VCP443291  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** SWO-06920



## SAMPLE INFORMATION

Sample Number	<b>VCP443291</b>	VCP435121	VCP405828	VCP369306
Sample Date	<b>26 Jan 2024</b>	11 Oct 2023	05 Sep 2023	07 Aug 2023
Machine Hours	<b>4034</b>	3517	3285	3113
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	ABNORMAL

### SAIIA CONSTRUCTION LLC

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## OIL CONDITION

Visc @ 40°C	cSt	<b>111</b>	109	107	44.5
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>13</b>	11	10	35
Sodium	ppm	<b>0</b>	4	3	4
Potassium	ppm	<b>2</b>	0	<1	4

## Diagnosis

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. 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>510</b>	346	305	798
Copper	ppm	<b>6</b>	5	4	15
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>2</b>	0	<1	1
Chromium	ppm	<b>6</b>	4	4	5
Molybdenum	ppm	<b>5</b>	4	3	4
Nickel	ppm	<b>2</b>	<1	1	2
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>7</b>	6	5	14
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>42</b>	42	43	53
Magnesium	ppm	<b>18</b>	30	20	3
Zinc	ppm	<b>90</b>	67	74	83
Phosphorus	ppm	<b>1080</b>	1080	1163	2050
Barium	ppm	<b>&lt;1</b>	0	0	2
Boron	ppm	<b>87</b>	70	74	60

**Depot:** SAIBIR  
**Unique No:** 10858231  
**Signed:** Sean Felton  
**Report Date:** 02 Feb 2024



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## VOLVO GRAPHS

