



# CONSTRUCTION EQUIPMENT

SWO-071952 VOLVO A45G 352969 - DROP BOX



**Sample No:** VCP439672  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** SWO-071952



## SAMPLE INFORMATION

Sample Number	<b>VCP439672</b>	VCP446718	VCP435525	VCP433942
Sample Date	<b>23 May 2024</b>	27 Feb 2024	20 Dec 2023	19 Sep 2023
Machine Hours	<b>3944</b>	3453	2980	2491
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**SAIIA CONSTRUCTION LLC**  
 4400 LEWISBURG RD  
 BIRMINGHAM, AL  
 US 35207  
 Contact: STEPHANI BRITTON  
 sbritton@saiia.com;doug.bogart@wearcheck.com  
 T: (205)943-2268  
 F: (205)943-2269



## OIL CONDITION

Visc @ 40°C	cSt	<b>113</b>	114	112	113
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>17</b>	16	13	14
Sodium	ppm	<b>4</b>	4	0	2
Potassium	ppm	<b>3</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. Confirm oil type. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>105</b>	92	86	72
Copper	ppm	<b>15</b>	15	14	14
Lead	ppm	<b>0</b>	2	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	2	0
Chromium	ppm	<b>2</b>	1	1	1
Molybdenum	ppm	<b>13</b>	11	7	9
Nickel	ppm	<b>&lt;1</b>	<1	0	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>4</b>	3	0	2
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>71</b>	66	65	63
Magnesium	ppm	<b>16</b>	13	15	16
Zinc	ppm	<b>162</b>	132	132	109
Phosphorus	ppm	<b>1287</b>	1234	1339	1159
Barium	ppm	<b>&lt;1</b>	0	5	0
Boron	ppm	<b>103</b>	94	96	93

**Depot:** SAIBIR  
**Unique No:** 11057910  
**Signed:** Don Baldrige  
**Report Date:** 01 Jun 2024



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## VOLVO GRAPHS

