



# CONSTRUCTION EQUIPMENT

## 715594 VOLVO A40G 352851 - DROP BOX



**Sample No:** VCP440118  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 715594



### SAMPLE INFORMATION

Sample Number	<b>VCP440118</b>	VCP430495	VCP407385	VCP386664
Sample Date	<b>31 May 2024</b>	06 Nov 2023	12 Apr 2023	07 Oct 2022
Machine Hours	<b>5237</b>	4099	3090	2036
Oil Hours	<b>1000</b>	4099	308	1500
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	ATTENTION	ATTENTION	ATTENTION

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
TAMPA, FL  
US 33619  
Contact: PM Services  
PMServices@ripaconstruction.com  
T:  
F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>183</b>	52.5	54.5	54.9
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>8</b>	22	23	2
Sodium	ppm	<b>0</b>	5	3	0
Potassium	ppm	<b>1</b>	1	0	2

### 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. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>240</b>	82	69	132
Copper	ppm	<b>4</b>	14	9	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	<1	0	<1
Aluminum	ppm	<b>2</b>	<1	<1	<1
Chromium	ppm	<b>4</b>	1	<1	2
Molybdenum	ppm	<b>9</b>	3	3	1
Nickel	ppm	<b>2</b>	<1	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>3</b>	3	2	4
Vanadium	ppm	<b>0</b>	<1	0	<1



### ADDITIVES

Calcium	ppm	<b>128</b>	112	25	11
Magnesium	ppm	<b>12</b>	2	2	1
Zinc	ppm	<b>88</b>	97	51	12
Phosphorus	ppm	<b>1216</b>	2174	2351	2325
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>115</b>	75	92	260

**Depot:** RIPTAM  
**Unique No:** 11127015  
**Signed:** Wes Davis  
**Report Date:** 17 Jul 2024



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## GRAPHS

