



# CONSTRUCTION EQUIPMENT

## SWO-072401 - DROP BOX



**Sample No:** VCP439808  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** SWO-072401



### SAMPLE INFORMATION

Sample Number	<b>VCP439808</b>	VCP452418	VCP431019	VCP414098
Sample Date	<b>31 May 2024</b>	04 Mar 2024	03 Nov 2023	11 Jul 2023
Machine Hours	<b>10125</b>	9648	9145	8645
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>278</b>	295	292	293
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>7</b>	16	16	17
Sodium	ppm	<b>1</b>	8	7	7
Potassium	ppm	<b>0</b>	0	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. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>9</b>	46	28	28
Copper	ppm	<b>&lt;1</b>	2	<1	2
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>0</b>	4	3	3
Chromium	ppm	<b>&lt;1</b>	<1	0	<1
Molybdenum	ppm	<b>7</b>	3	<1	3
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	1	<1	1
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>162</b>	56	59	66
Magnesium	ppm	<b>36</b>	20	25	28
Zinc	ppm	<b>123</b>	71	79	91
Phosphorus	ppm	<b>982</b>	920	956	1136
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>193</b>	140	142	155

**Depot:** SAIBIR  
**Unique No:** 11071140  
**Signed:** Jonathan Hester  
**Report Date:** 12 Jun 2024



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## VOLVO GRAPHS

