



# VOLVO

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**[729177 MOSAIC]**  
 Machine Id  
**VOLVO EC380 315267**  
 Component  
**Rear Right Final Drive**  
 Fluid  
**VOLVO PREMIUM GEAR OIL 80W-90 GL-5 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP445602</b>	VCP408641	---
Sample Date		Client Info		<b>13 Jun 2024</b>	10 May 2023	---
Machine Age	hrs	Client Info		<b>1033</b>	496	---
Oil Age	hrs	Client Info		<b>500</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Not Changd	---
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>310</b>	156	---
Chromium	ppm	ASTM D5185m	>10	<b>9</b>	4	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	<1	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>MODER</b>	MODER	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

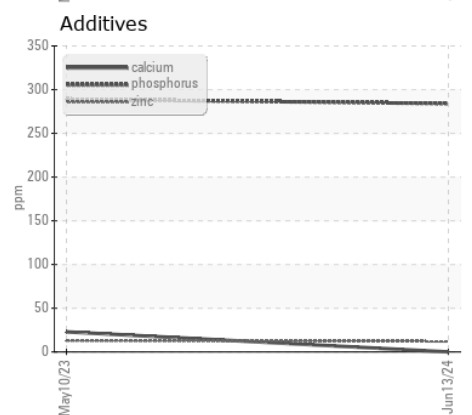
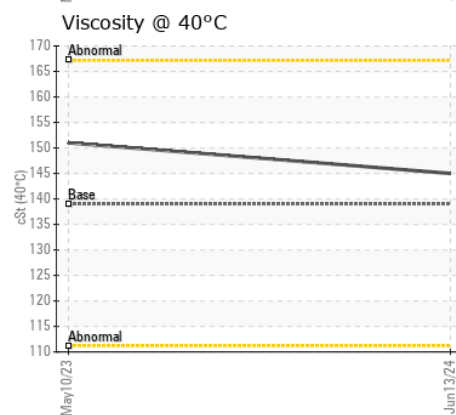
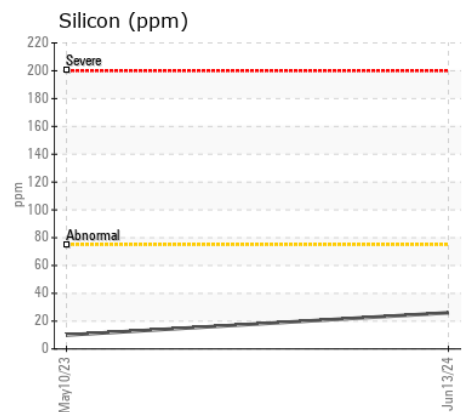
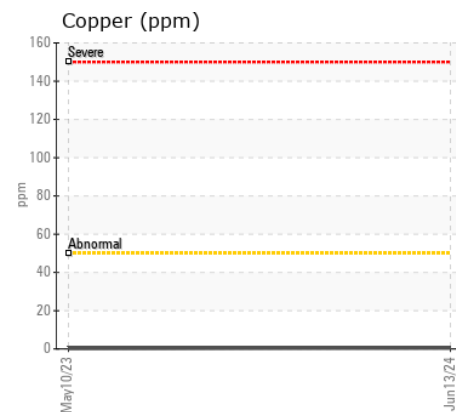
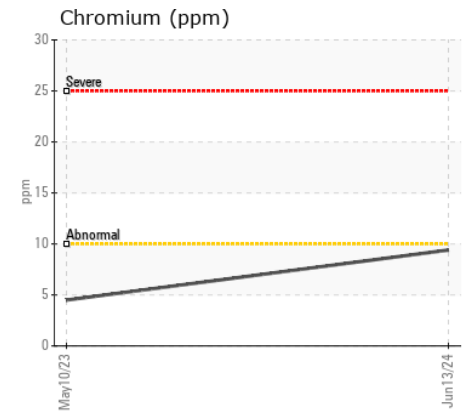
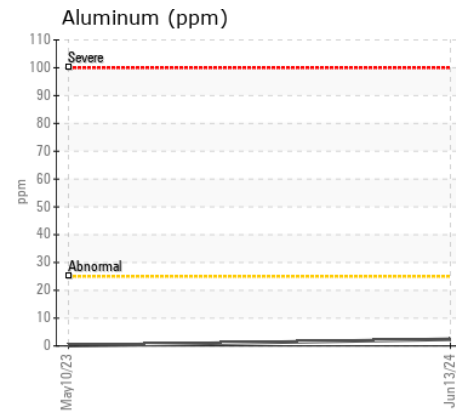
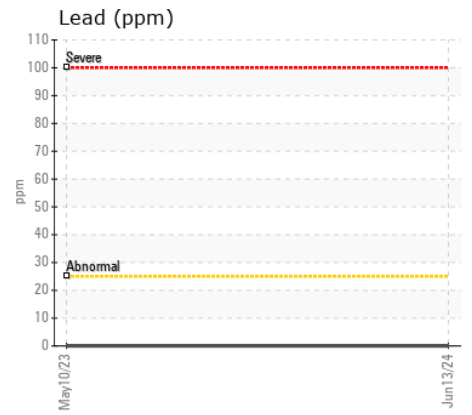
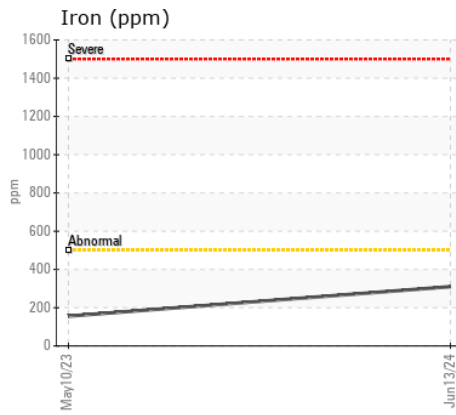
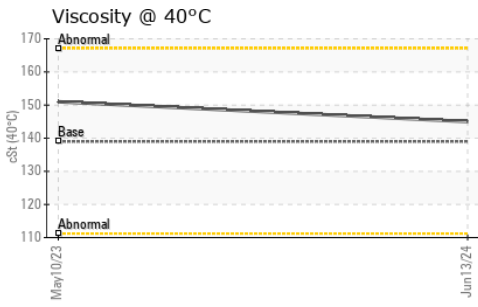
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>26</b>	10	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>1</b>	2	---
Boron	ppm	ASTM D5185m	379	<b>&lt;1</b>	0	---
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	0.8	<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m	0.0	<b>5</b>	4	---
Magnesium	ppm	ASTM D5185m	31	<b>2</b>	<1	---
Calcium	ppm	ASTM D5185m	38	<b>0</b>	23	---
Phosphorus	ppm	ASTM D5185m	1077	<b>284</b>	289	---
Zinc	ppm	ASTM D5185m	46	<b>12</b>	13	---
Sulfur	ppm	ASTM D5185m	23526	<b>14301</b>	14787	---
Visc @ 40°C	cSt	ASTM D445	139	<b>145</b>	151	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP445602 **Received** : 16 Jul 2024  
**Lab Number** : 06238185 **Tested** : 17 Jul 2024  
**Unique Number** : 11127019 **Diagnosed** : 18 Jul 2024 - Sean Felton  
**Test Package** : MOB 1

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To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)