



# VOLVO

## OIL ANALYSIS REPORT

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



Area  
**[389912]**  
 Machine Id  
**VOLVO EC250E 314186**  
 Component  
**Swing 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>VCP394390</b>	VCP349660	---
Sample Date		Client Info		<b>29 Dec 2023</b>	05 Jul 2022	---
Machine Age	hrs	Client Info		<b>2000</b>	1100	---
Oil Age	hrs	Client Info		<b>1000</b>	500	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
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 D5185(m)	>1200	<b>163</b>	224	---
Chromium	ppm	ASTM D5185(m)	>10	<b>2</b>	2	---
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185(m)	>50	<b>0</b>	1	---
Copper	ppm	ASTM D5185(m)	>50	<b>3</b>	7	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

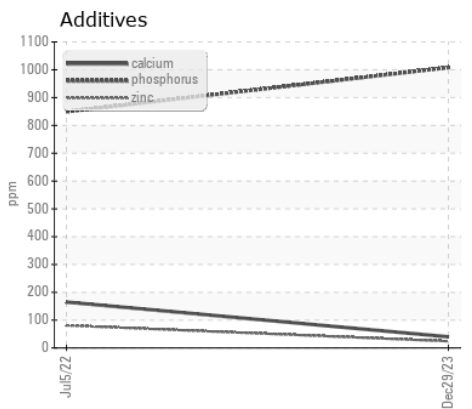
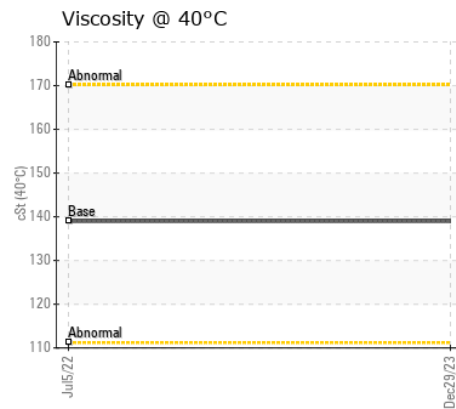
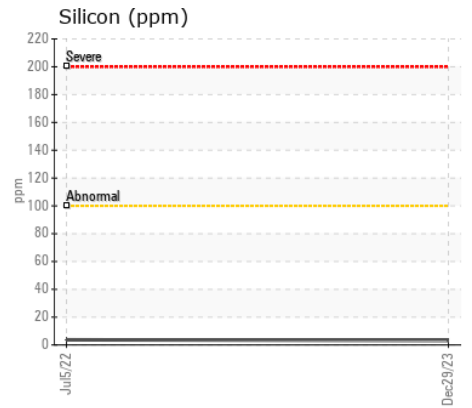
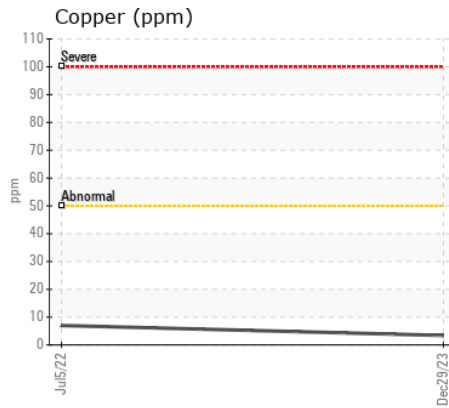
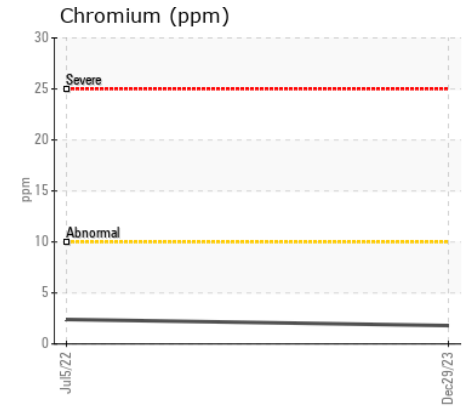
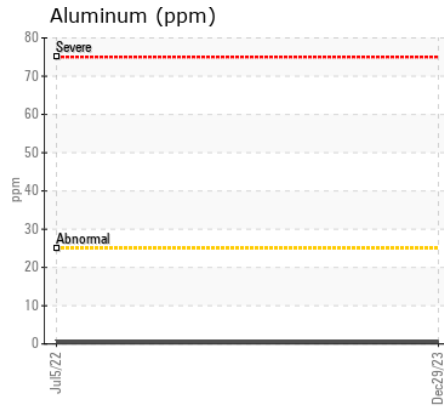
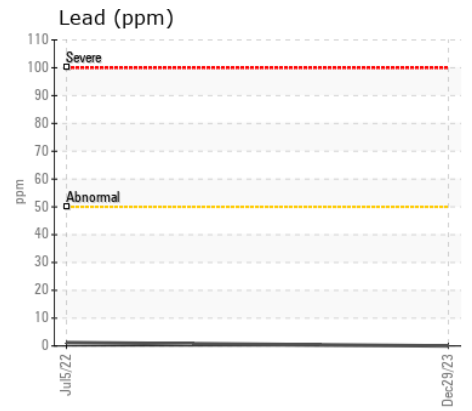
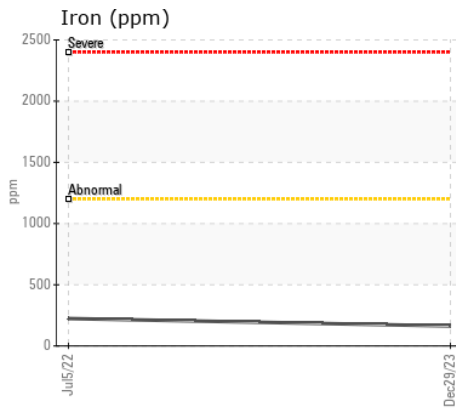
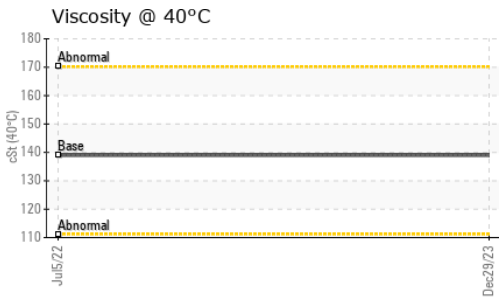
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>100	<b>3</b>	4	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Water		WC Method	>0.25	<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*	>0.25	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<b>0</b>	1	---
Boron	ppm	ASTM D5185(m)	379	<b>172</b>	121	---
Barium	ppm	ASTM D5185(m)	0.0	<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)	0.8	<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185(m)	0.0	<b>1</b>	3	---
Magnesium	ppm	ASTM D5185(m)	31	<b>2</b>	2	---
Calcium	ppm	ASTM D5185(m)	38	<b>40</b>	165	---
Phosphorus	ppm	ASTM D5185(m)	1077	<b>1008</b>	849	---
Zinc	ppm	ASTM D5185(m)	46	<b>24</b>	81	---
Sulfur	ppm	ASTM D5185(m)	23526	<b>24477</b>	21712	---
Visc @ 40°C	cSt	ASTM D7279(m)	139	<b>139</b>	139	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : VCP394390 **Received** : 23 Jan 2024  
**Lab Number** : 02610678 **Diagnosed** : 23 Jan 2024  
**Unique Number** : 5711764 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

**Strongco Equipment**  
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To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.