



# VOLVO

## OIL ANALYSIS REPORT

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



Area  
**[661680 ALTA RENTS]**  
Machine Id  
**VOLVO EC480E 315141**  
Component  
**Left Swing Drive**  
Fluid  
**VOLVO PREMIUM GEAR OIL 85W-140 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>VCP436810</b>	VCP440723	VCP412212
Sample Date		Client Info		<b>27 Jan 2024</b>	23 Dec 2023	16 Aug 2023
Machine Age	hrs	Client Info		<b>2449</b>	2130	1133
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1200	<b>34</b>	65	146
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	3
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	1	3
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>50	<b>3</b>	8	22
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

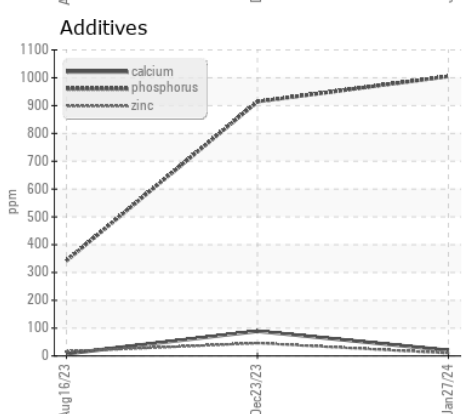
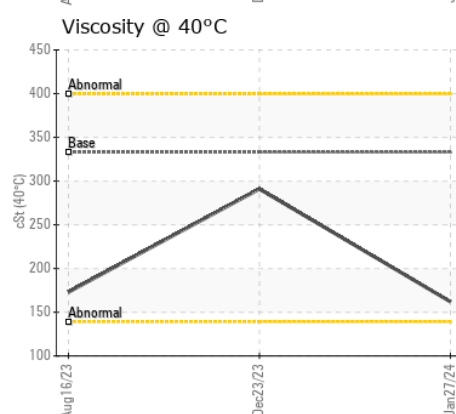
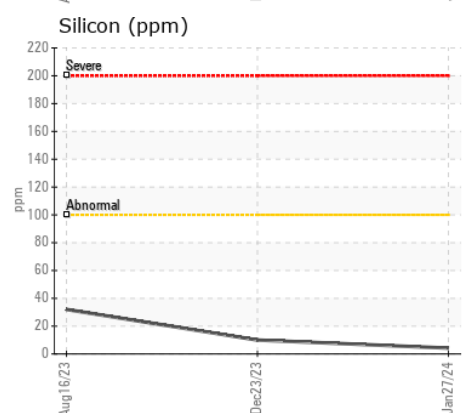
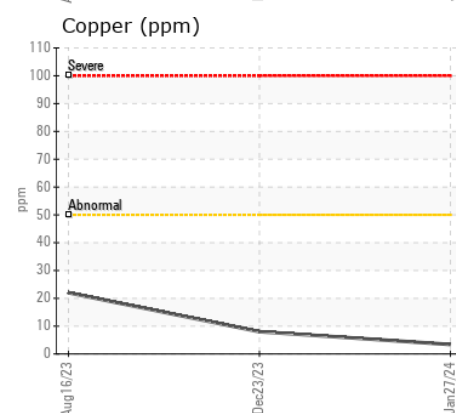
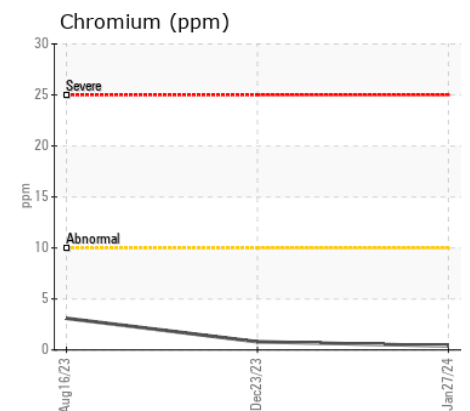
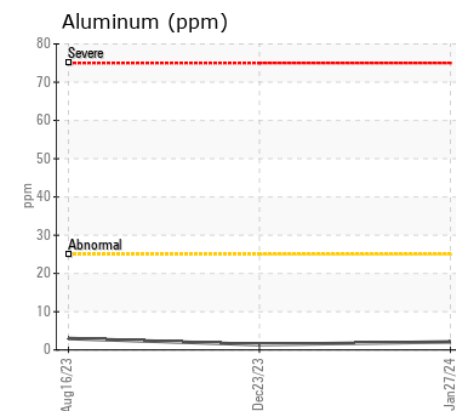
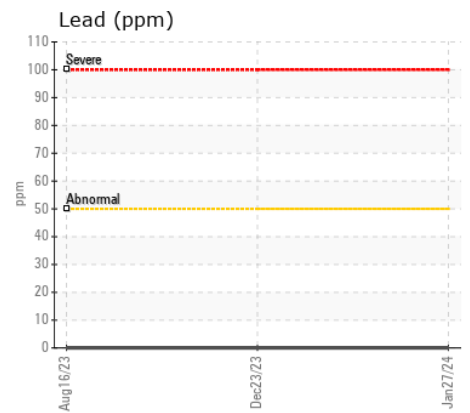
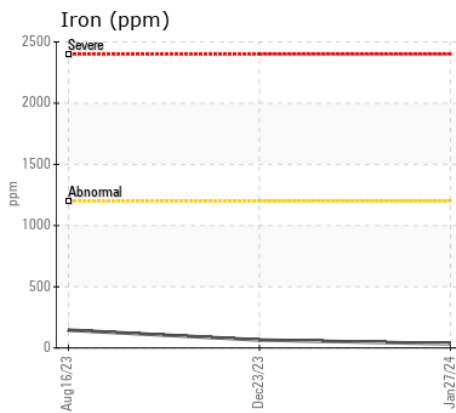
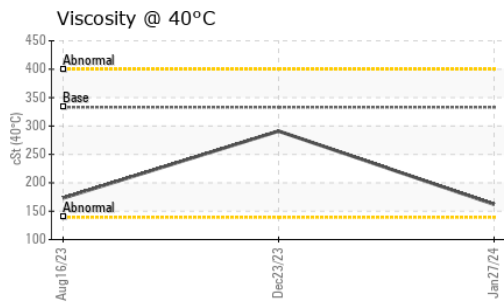
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>100	<b>4</b>	10	32
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	<1
Water		WC Method	>0.25	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.25	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>0</b>	0	<1
Boron	ppm	ASTM D5185m	111	<b>191</b>	162	0
Barium	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	0	2
Molybdenum	ppm	ASTM D5185m	0.9	<b>&lt;1</b>	1	0
Manganese	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	<1	4
Magnesium	ppm	ASTM D5185m	39	<b>5</b>	18	<1
Calcium	ppm	ASTM D5185m	93	<b>20</b>	89	8
Phosphorus	ppm	ASTM D5185m	920	<b>1005</b>	914	342
Zinc	ppm	ASTM D5185m	104	<b>10</b>	46	16
Sulfur	ppm	ASTM D5185m	20179	<b>31923</b>	26280	19519
Visc @ 40°C	cSt	ASTM D445	333	<b>162</b>	291	173



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP436810 **Received** : 31 Jan 2024  
**Lab Number** : 06076112 **Diagnosed** : 01 Feb 2024  
**Unique Number** : 10858203 **Diagnostician** : 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)