



# VOLVO

## OIL ANALYSIS REPORT

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



Area  
**[716821 MOSAIC]**  
Machine Id  
**VOLVO EC480EL 315147**  
Component  
**Rear Left Final 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>VCP444753</b>	VCP440036	VCP416196
Sample Date		Client Info		<b>24 May 2024</b>	13 Jan 2024	21 Aug 2023
Machine Age	hrs	Client Info		<b>2182</b>	1647	812
Oil Age	hrs	Client Info		<b>2182</b>	800	812
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>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	>3360	<b>273</b>	379	488
Chromium	ppm	ASTM D5185m	>35	<b>3</b>	3	7
Nickel	ppm	ASTM D5185m	>8	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>185	<b>&lt;1</b>	2	4
Lead	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>80	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m	>8	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>MODER</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

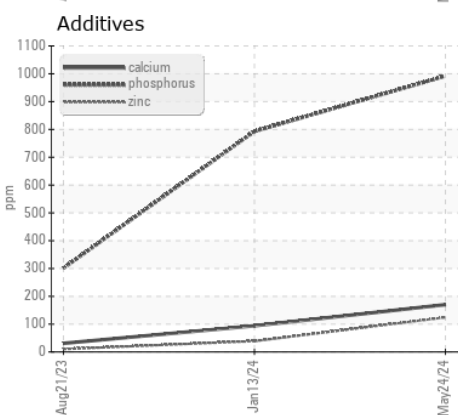
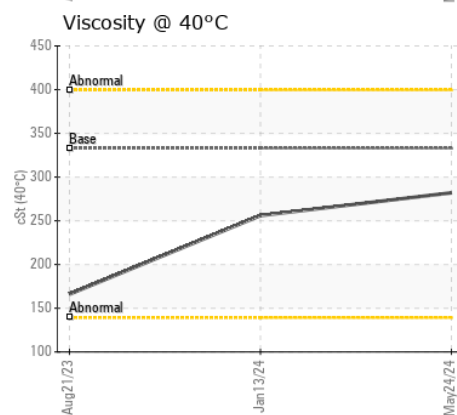
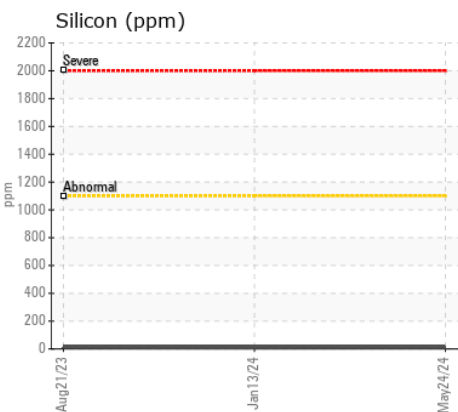
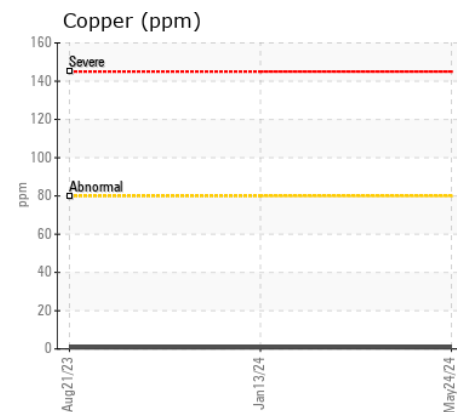
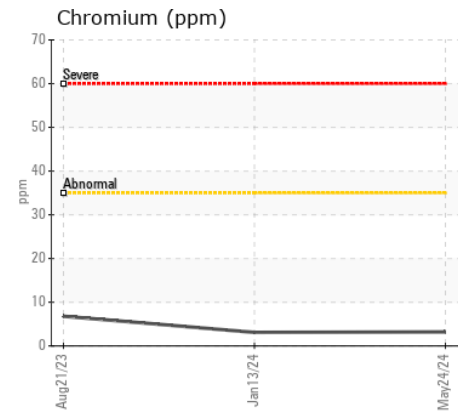
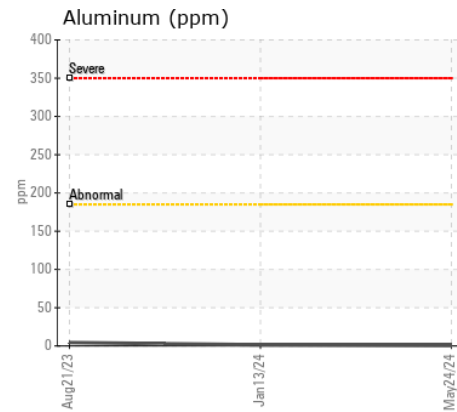
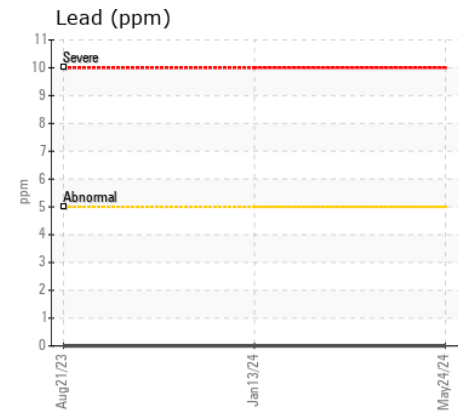
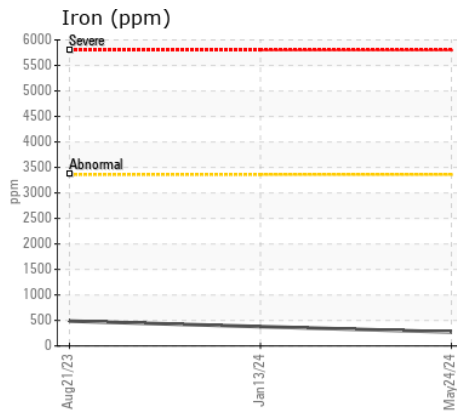
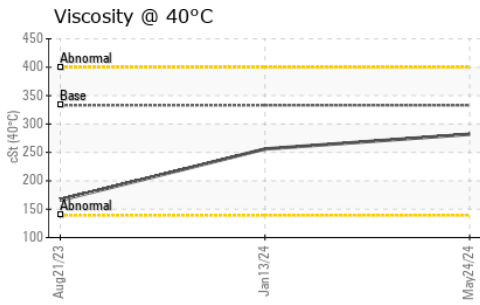
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>1100	<b>13</b>	11	15
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	<1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	MODER	LIGHT
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	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>2</b>	0	2
Boron	ppm	ASTM D5185m	111	<b>73</b>	59	0
Barium	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	11	0
Molybdenum	ppm	ASTM D5185m	0.9	<b>3</b>	1	<1
Manganese	ppm	ASTM D5185m	0.0	<b>3</b>	3	6
Magnesium	ppm	ASTM D5185m	39	<b>28</b>	5	0
Calcium	ppm	ASTM D5185m	93	<b>170</b>	94	31
Phosphorus	ppm	ASTM D5185m	920	<b>992</b>	793	301
Zinc	ppm	ASTM D5185m	104	<b>124</b>	39	10
Sulfur	ppm	ASTM D5185m	20179	<b>26522</b>	22566	16310
Visc @ 40°C	cSt	ASTM D445	333	<b>282</b>	256	166



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP444753  
**Lab Number** : 06215095  
**Unique Number** : 11087959  
**Test Package** : MOB 1

**Received** : 19 Jun 2024  
**Tested** : 20 Jun 2024  
**Diagnosed** : 20 Jun 2024 - Wes Davis

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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)