



# VOLVO

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO EC300EL 313148**  
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>VCP437553</b>	VCP281589	---
Sample Date		Client Info		<b>14 May 2024</b>	11 Nov 2020	---
Machine Age	hrs	Client Info		<b>7144</b>	1161	---
Oil Age	hrs	Client Info		<b>0</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>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1200	<b>245</b>	282	---
Chromium	ppm	ASTM D5185m	>10	<b>3</b>	5	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	<1	---
Lead	ppm	ASTM D5185m	>50	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m	>50	<b>3</b>	10	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

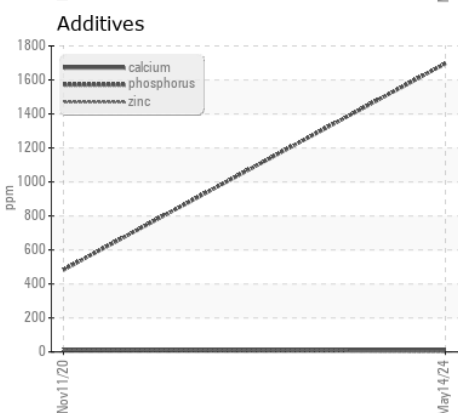
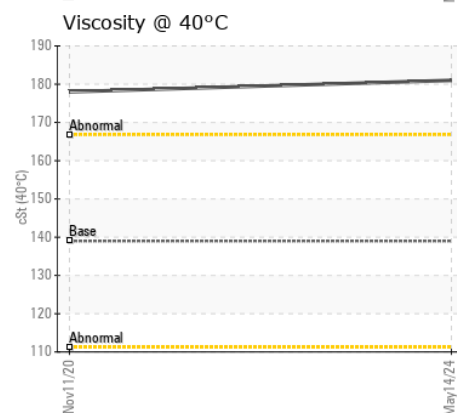
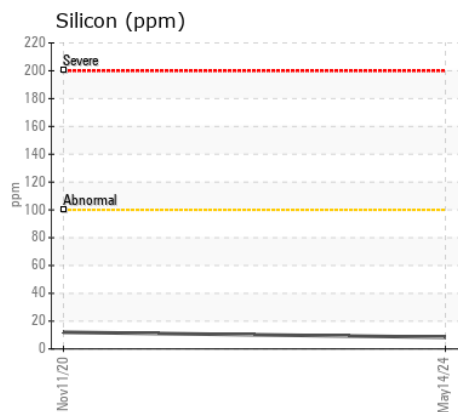
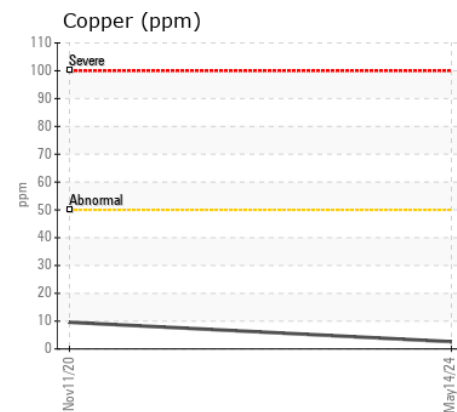
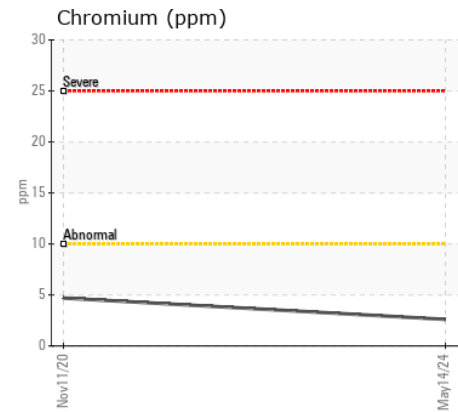
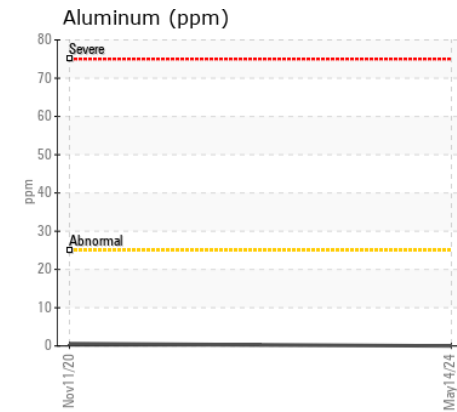
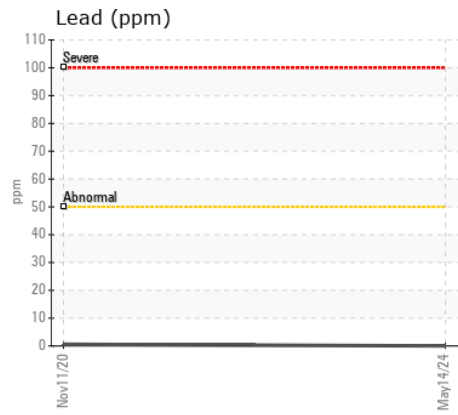
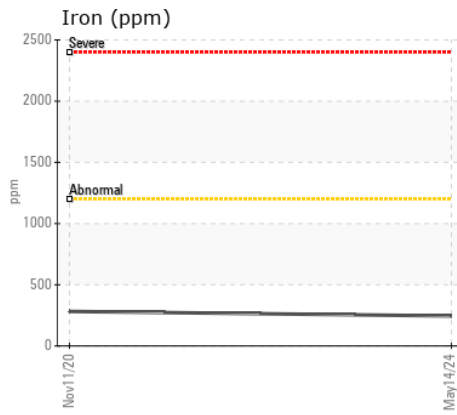
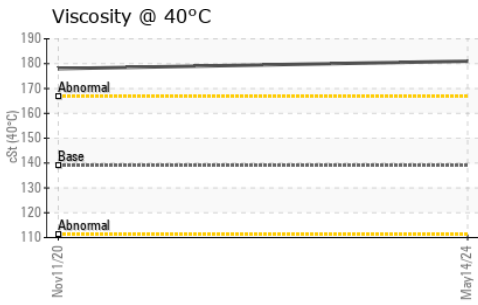
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>100	<b>8</b>	12	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	---
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 D5185m		<b>&lt;1</b>	1	---
Boron	ppm	ASTM D5185m	379	<b>114</b>	<1	---
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	1	---
Molybdenum	ppm	ASTM D5185m	0.8	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	0.0	<b>3</b>	5	---
Magnesium	ppm	ASTM D5185m	31	<b>&lt;1</b>	2	---
Calcium	ppm	ASTM D5185m	38	<b>14</b>	13	---
Phosphorus	ppm	ASTM D5185m	1077	<b>1697</b>	483	---
Zinc	ppm	ASTM D5185m	46	<b>2</b>	12	---
Sulfur	ppm	ASTM D5185m	23526	<b>27166</b>	12120	---
Visc @ 40°C	cSt	ASTM D445	139	<b>181</b>	178	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP437553 **Received** : 29 May 2024  
**Lab Number** : 06194423 **Tested** : 31 May 2024  
**Unique Number** : 11056546 **Diagnosed** : 31 May 2024 - Don Baldrige  
**Test Package** : MOB 1

**CITY CARTING**  
 221 OLD GATE LN  
 MILFORD, CT  
 US 06460  
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 tavins@citycart.net  
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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)