



# VOLVO

## OIL ANALYSIS REPORT

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



Area  
**[SMITH CROSSING]**  
Machine Id  
**VOLVO EC350E 272 (S/N 310740)**  
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>VCP372140</b>	VCP0000902	---
Sample Date		Client Info		<b>26 Jul 2022</b>	25 Oct 2021	---
Machine Age	hrs	Client Info		<b>2066</b>	1581	---
Oil Age	hrs	Client Info		<b>0</b>	1073	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1200	<b>262</b>	3	---
Chromium	ppm	ASTM D5185m		<b>5</b>	0	---
Nickel	ppm	ASTM D5185m		<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m		<b>3</b>	4	---
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>50	<b>25</b>	0	---
Tin	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>MODER</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

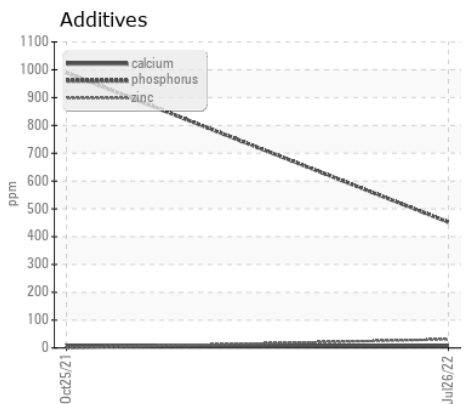
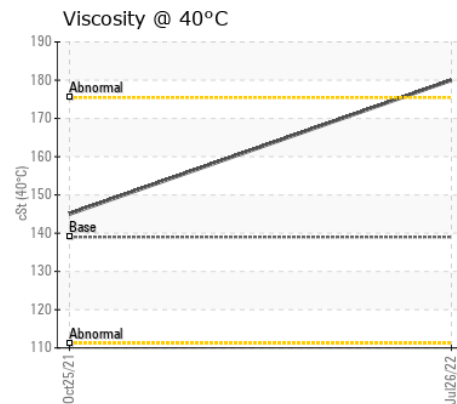
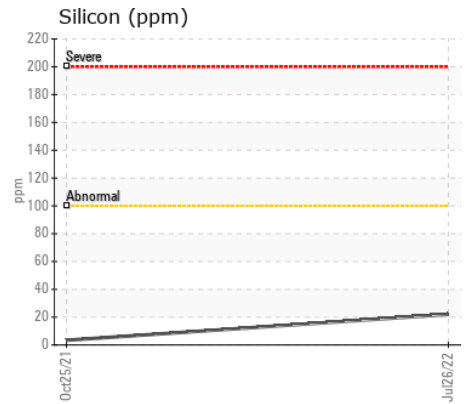
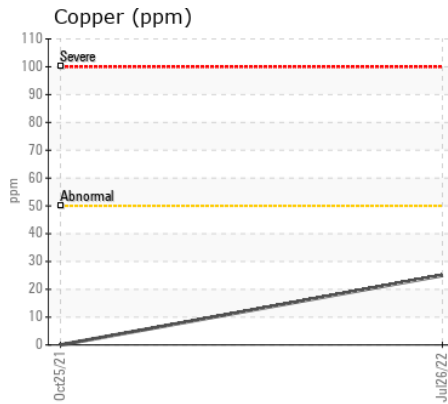
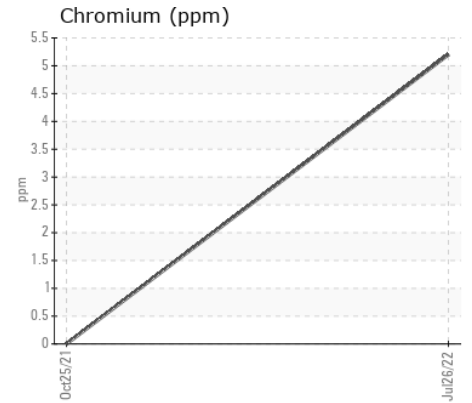
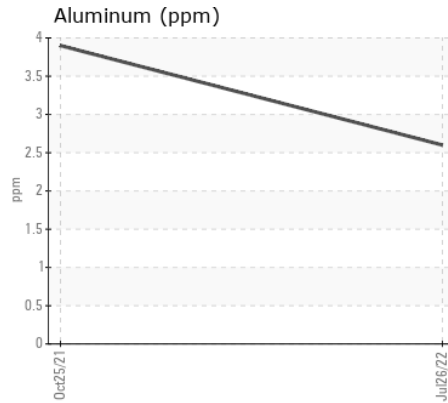
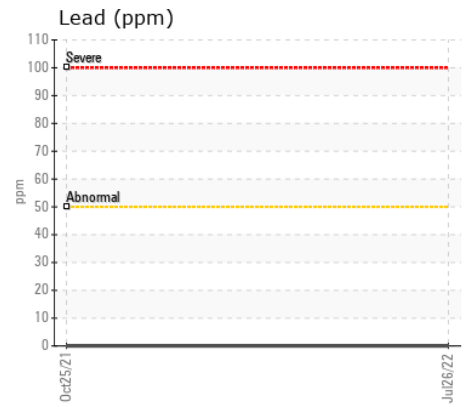
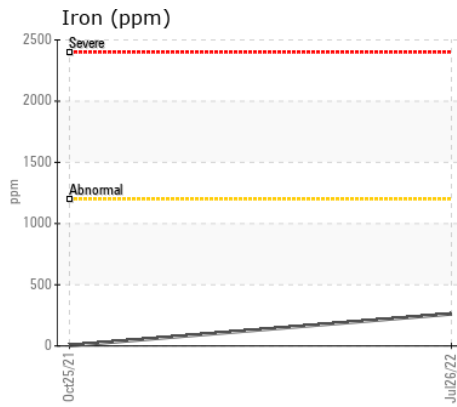
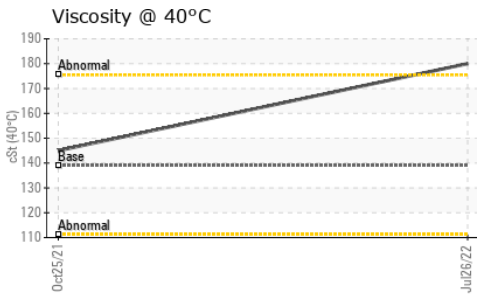
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>100	<b>22</b>	3	---
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>2</b>	<1	---
Boron	ppm	ASTM D5185m	379	<b>2</b>	200	---
Barium	ppm	ASTM D5185m	0.0	<b>2</b>	0	---
Molybdenum	ppm	ASTM D5185m	0.8	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m	0.0	<b>6</b>	0	---
Magnesium	ppm	ASTM D5185m	31	<b>0</b>	0	---
Calcium	ppm	ASTM D5185m	38	<b>9</b>	8	---
Phosphorus	ppm	ASTM D5185m	1077	<b>452</b>	990	---
Zinc	ppm	ASTM D5185m	46	<b>31</b>	0	---
Sulfur	ppm	ASTM D5185m	23526	<b>13431</b>	22369	---
Visc @ 40°C	cSt	ASTM D445	139	<b>180</b>	145	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : VCP372140

Lab Number : 05612963

Unique Number : 10087457

Test Package : MOB 1

Received : 09 Aug 2022

Tested : 10 Aug 2022

Diagnosed : 11 Aug 2022 - Don Baldrige

LEOTERRA DEVELOPMENT INC

110 SHIELDS PARK DR

KERNERSVILLE, NC

US 27284

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F:

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)