



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



Machine Id  
**VOLVO ECR235E 2312200**

Component  
**Hydraulic System**

Fluid  
**VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MOB 2 test kits, this testkit includes Particle Count to determine the ISO cleanliness of the fluid.

**WEAR**

All component wear rates are normal.

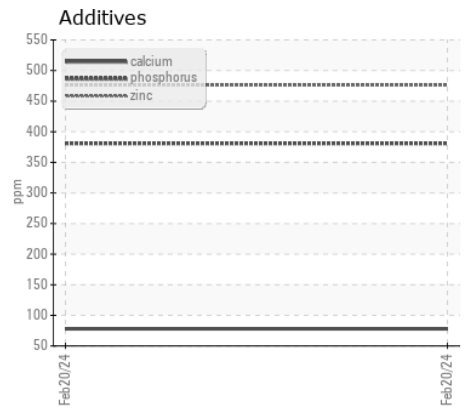
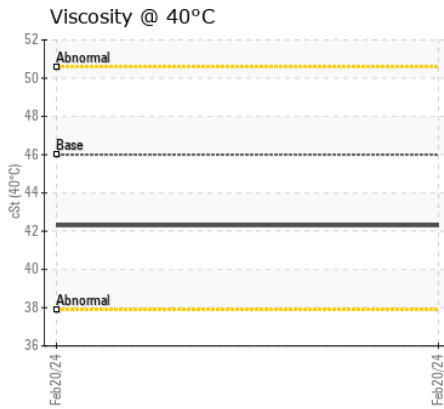
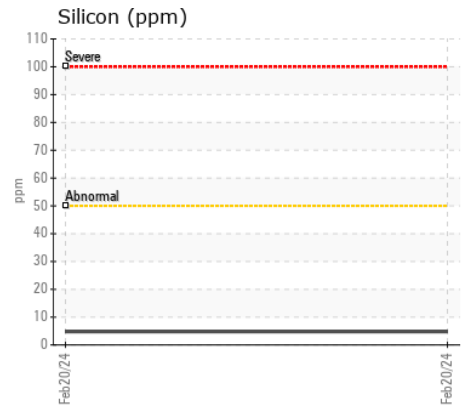
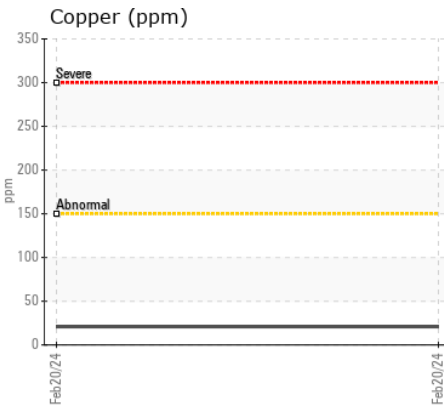
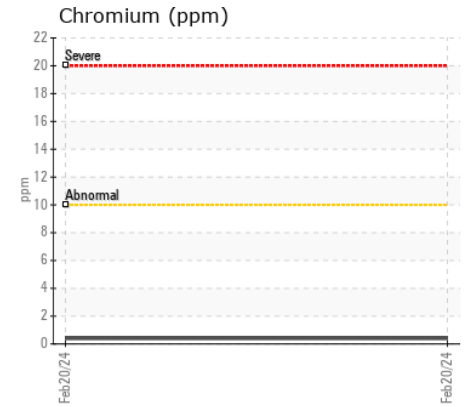
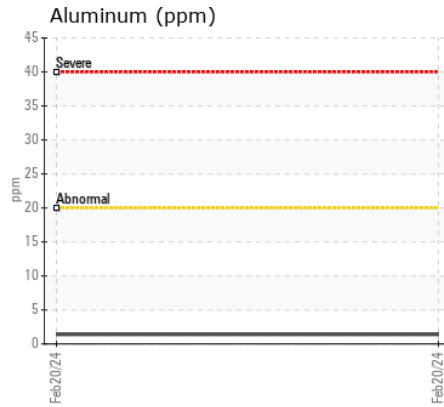
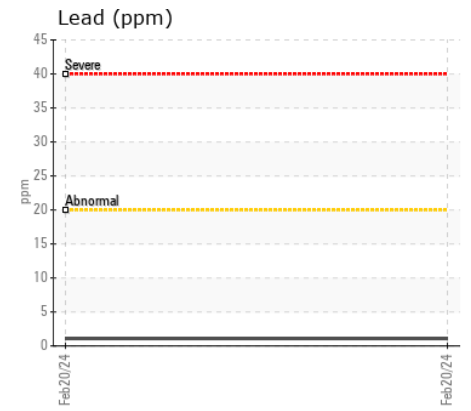
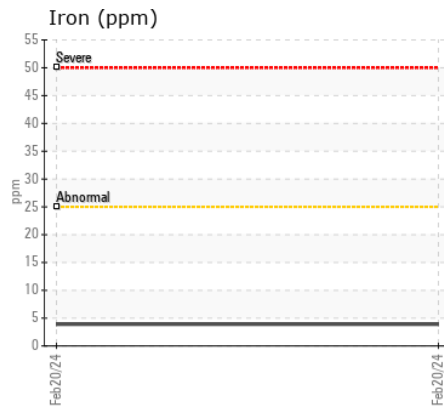
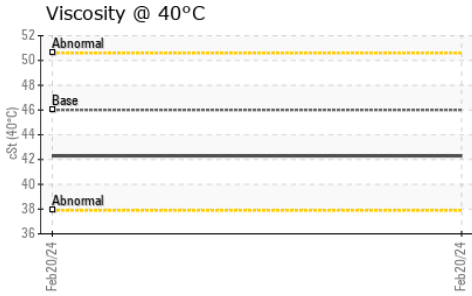
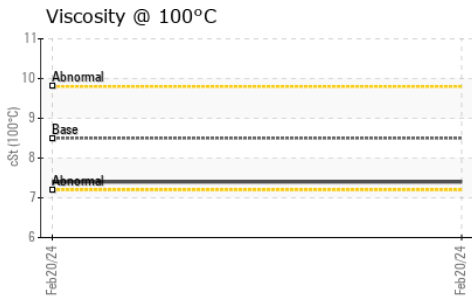
**CONTAMINATION**

There is no indication of any contamination in the component(unconfirmed).

**FLUID CONDITION**

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0072412</b>	---	---
Sample Date		Client Info		<b>20 Feb 2024</b>	---	---
Machine Age	hrs	Client Info		<b>1441</b>	---	---
Oil Age	hrs	Client Info		<b>1441</b>	---	---
Filter Age	hrs	Client Info		<b>1441</b>	---	---
Oil Changed		Client Info		<b>Not Chngd</b>	---	---
Filter Changed		Client Info		<b>Not Chngd</b>	---	---
Sample Status				<b>NORMAL</b>	---	---
Iron	ppm	ASTM D5185(m)	>25	<b>4</b>	---	---
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>1</b>	---	---
Lead	ppm	ASTM D5185(m)	>20	<b>1</b>	---	---
Copper	ppm	ASTM D5185(m)	>150	<b>21</b>	---	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Silicon	ppm	ASTM D5185(m)	>50	<b>5</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Water		WC Method	>0.1	<b>NEG</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Boron	ppm	ASTM D5185(m)	14	<b>&lt;1</b>	---	---
Barium	ppm	ASTM D5185(m)	0.0	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	0.0	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)	0.0	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)	2.6	<b>&lt;1</b>	---	---
Calcium	ppm	ASTM D5185(m)	49	<b>78</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	354	<b>381</b>	---	---
Zinc	ppm	ASTM D5185(m)	419	<b>476</b>	---	---
Sulfur	ppm	ASTM D5185(m)	3719	<b>906</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	46	<b>42.3</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	8.5	<b>7.4</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	163	<b>140</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0072412 **Received** : 28 Feb 2024  
**Lab Number** : 02618714 **Tested** : 28 Feb 2024  
**Unique Number** : 5735824 **Diagnosed** : 28 Feb 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: KV100, VI )

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.

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