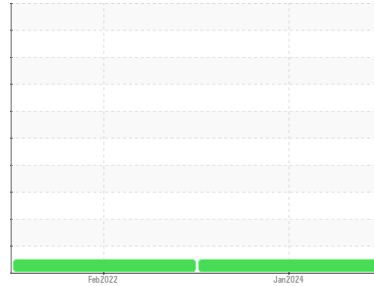




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**VOLVO EC250E 310656**  
 Component  
**Right Final Drive**  
 Fluid  
**VOLVO PREMIUM GEAR OIL 80W-90 GL-5 (--- GAL)**

## DIAGNOSIS

### Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0849263</b>	WC0660311	---
Sample Date	Client Info		<b>08 Jan 2024</b>	17 Feb 2022	---
Machine Age	hrs	Client Info	<b>5959</b>	4013	---
Oil Age	hrs	Client Info	<b>1000</b>	0	---
Oil Changed	Client Info		<b>Changed</b>	Not Changd	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>253</b>	157	---
Iron	ppm	ASTM D5185(m) >500	<b>846</b>	1075	---
Chromium	ppm	ASTM D5185(m) >10	<b>16</b>	12	---
Nickel	ppm	ASTM D5185(m) >10	<b>2</b>	1	---
Titanium	ppm	ASTM D5185(m)	<b>7</b>	5	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m) >25	<b>139</b>	73	---
Lead	ppm	ASTM D5185(m) >25	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185(m) >50	<b>1</b>	2	---
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	<1	---

## ADDITIVES

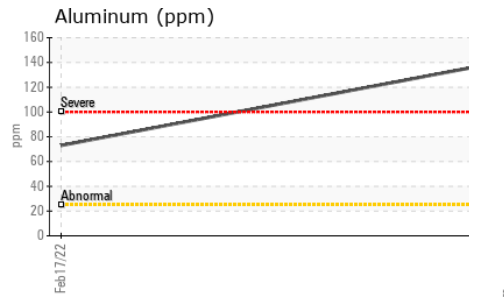
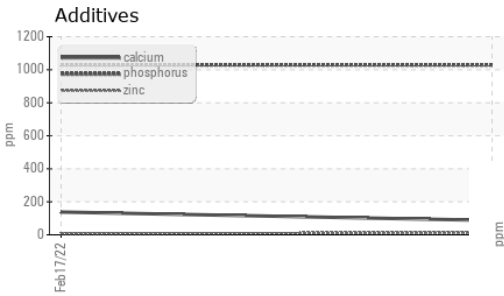
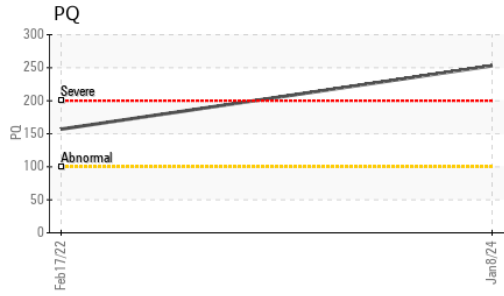
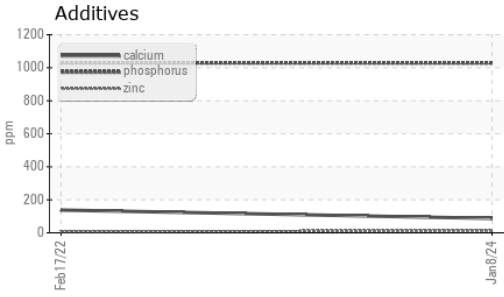
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 379	<b>134</b>	162	---
Barium	ppm	ASTM D5185(m) 0.0	<b>1</b>	0	---
Molybdenum	ppm	ASTM D5185(m) 0.8	<b>1</b>	1	---
Manganese	ppm	ASTM D5185(m) 0.0	<b>9</b>	16	---
Magnesium	ppm	ASTM D5185(m) 31	<b>22</b>	24	---
Calcium	ppm	ASTM D5185(m) 38	<b>87</b>	138	---
Phosphorus	ppm	ASTM D5185(m) 1077	<b>1028</b>	1029	---
Zinc	ppm	ASTM D5185(m) 46	<b>13</b>	8	---
Sulfur	ppm	ASTM D5185(m) 23526	<b>25525</b>	25708	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	<b>427</b>	347	---
Sodium	ppm	ASTM D5185(m)	<b>17</b>	14	---
Potassium	ppm	ASTM D5185(m) >20	<b>30</b>	20	---



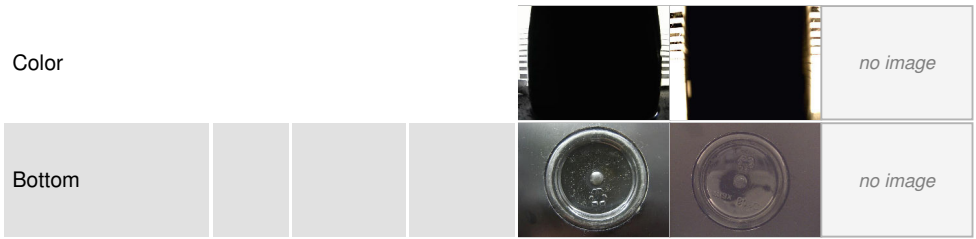
# OIL ANALYSIS REPORT



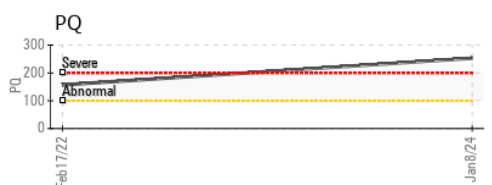
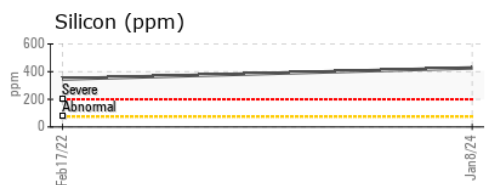
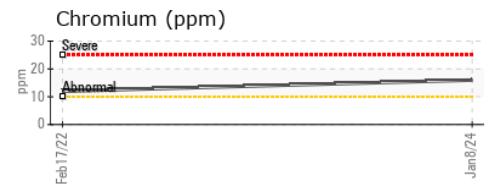
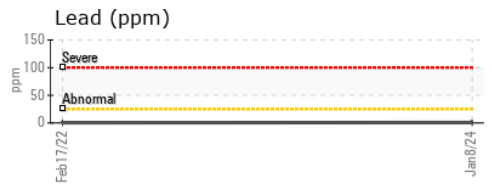
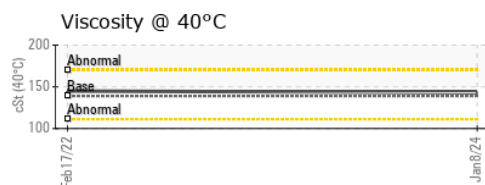
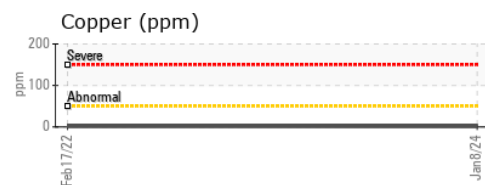
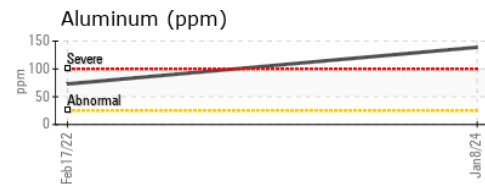
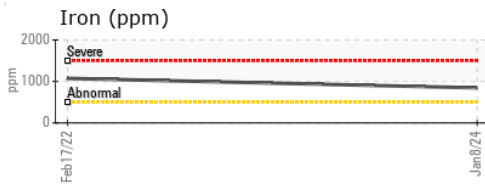
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	139	145	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0849263      **Recieved** : 16 Jan 2024  
**Lab Number** : 02609084      **Diagnosed** : 17 Jan 2024  
**Unique Number** : 5710170      **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: PQ )

**STRONGCO EQUIPMENT**  
 255 BAIG BOULEVARD  
 MONCTON, NB  
 CA E1E 1E1  
 Contact: Greg Ward  
 gward@strongco.com  
 T: (506)857-8425  
 F: (506)857-0851

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.