



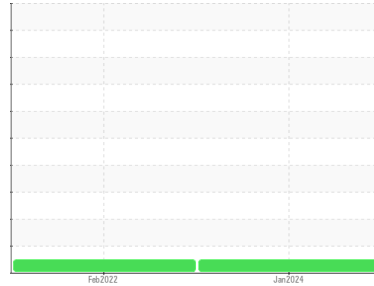
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
VOLVO EC250E 310656
 Component
Left 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		WC0849264	WC0660310	---
Sample Date	Client Info		08 Jan 2024	17 Feb 2022	---
Machine Age	hrs	Client Info	5959	4013	---
Oil Age	hrs	Client Info	1000	0	---
Oil Changed	Client Info		Changed	Not Changd	---
Sample Status			NORMAL	NORMAL	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		238	---	---
Iron	ppm	ASTM D5185(m) >500	826	405	---
Chromium	ppm	ASTM D5185(m) >10	15	6	---
Nickel	ppm	ASTM D5185(m) >10	2	<1	---
Titanium	ppm	ASTM D5185(m)	7	2	---
Silver	ppm	ASTM D5185(m)	0	0	---
Aluminum	ppm	ASTM D5185(m) >25	137	48	---
Lead	ppm	ASTM D5185(m) >25	<1	<1	---
Copper	ppm	ASTM D5185(m) >50	1	<1	---
Tin	ppm	ASTM D5185(m) >10	0	<1	---
Antimony	ppm	ASTM D5185(m) >5	0	0	---
Vanadium	ppm	ASTM D5185(m)	<1	<1	---
Beryllium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

ADDITIVES

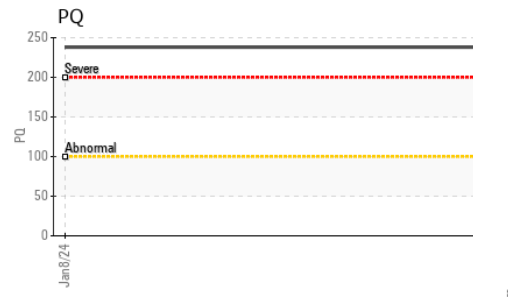
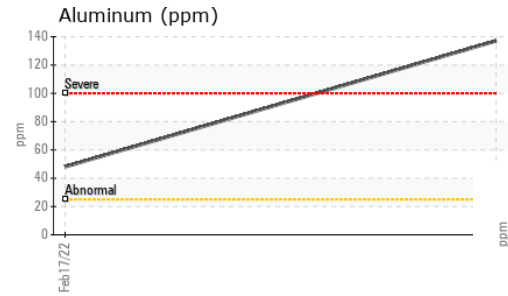
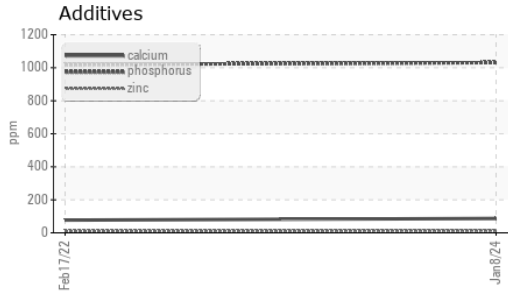
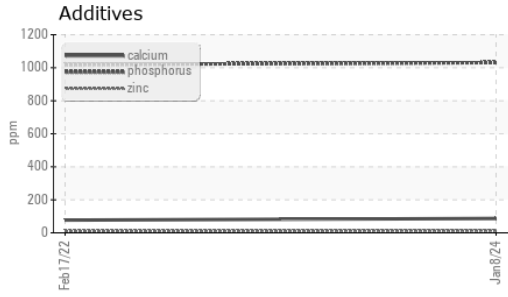
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 379	134	164	---
Barium	ppm	ASTM D5185(m) 0.0	1	<1	---
Molybdenum	ppm	ASTM D5185(m) 0.8	1	<1	---
Manganese	ppm	ASTM D5185(m) 0.0	9	7	---
Magnesium	ppm	ASTM D5185(m) 31	23	11	---
Calcium	ppm	ASTM D5185(m) 38	87	77	---
Phosphorus	ppm	ASTM D5185(m) 1077	1031	1019	---
Zinc	ppm	ASTM D5185(m) 46	13	11	---
Sulfur	ppm	ASTM D5185(m) 23526	25273	24999	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	420	127	---
Sodium	ppm	ASTM D5185(m)	17	6	---
Potassium	ppm	ASTM D5185(m) >20	30	9	---



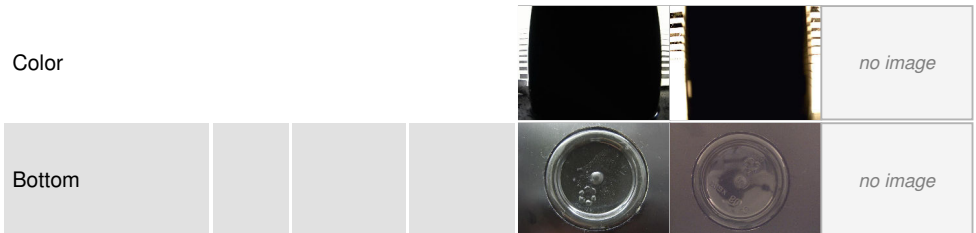
OIL ANALYSIS REPORT



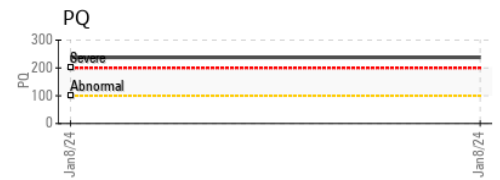
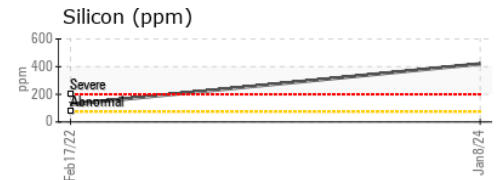
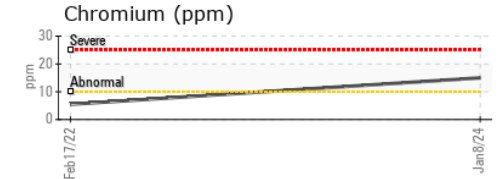
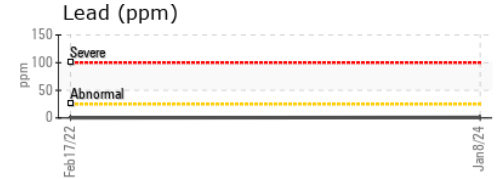
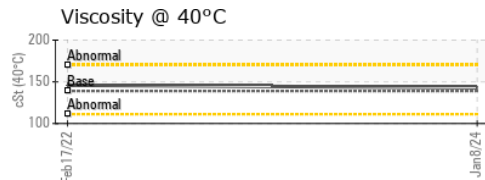
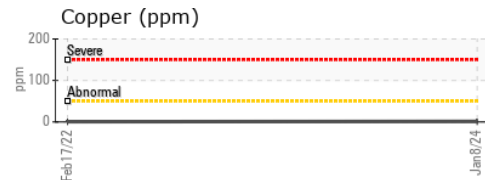
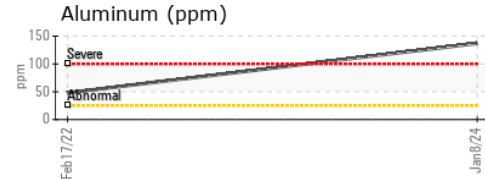
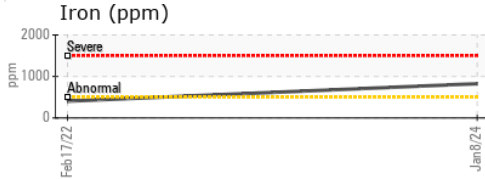
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	NONE	---
Silt	scalar	Visual*	NONE	VLITE	VLITE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	139	143	146	---

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. : WC0849264 **Received** : 16 Jan 2024
Lab Number : 02609083 **Diagnosed** : 17 Jan 2024
Unique Number : 5710169 **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.