



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[8000391365]
 Machine Id
VOLVO EC250EL 314435
 Component
Swing Drive
 Fluid
VOLVO PREMIUM GEAR OIL 80W-90 GL-5 (--- GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP449438	VCP391742	VCP353338
Sample Date		Client Info		17 Jan 2024	29 May 2023	16 Dec 2022
Machine Age	hrs	Client Info		2381	1035	750
Oil Age	hrs	Client Info		1500	1035	750
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	Changed	Not Chngd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>1200	94	212	267
Chromium	ppm	ASTM D5185(m)	>10	1	4	5
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	1	3	4
Lead	ppm	ASTM D5185(m)	>50	<1	2	2
Copper	ppm	ASTM D5185(m)	>50	16	73	86
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

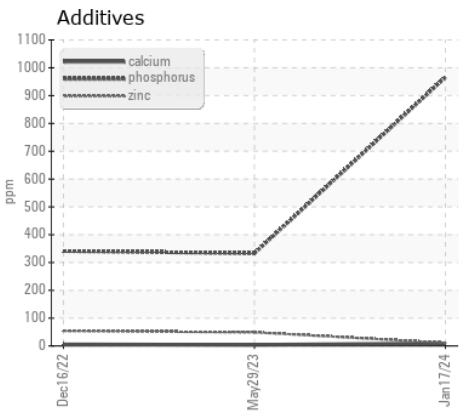
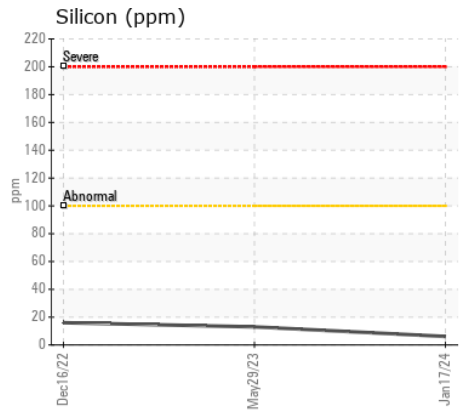
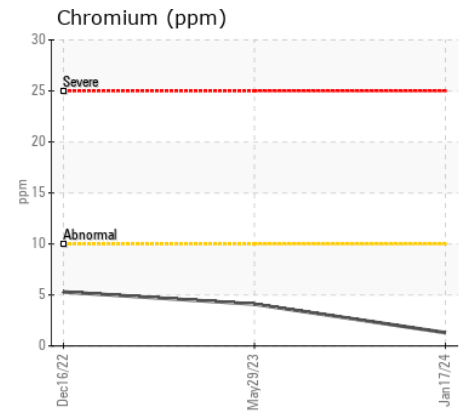
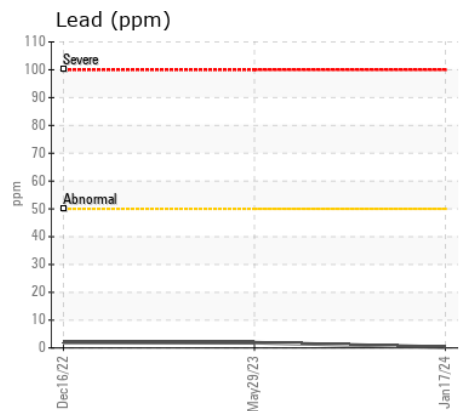
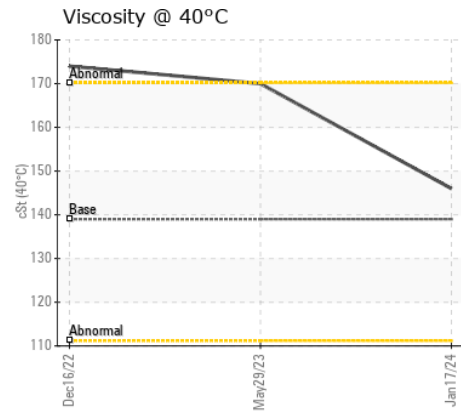
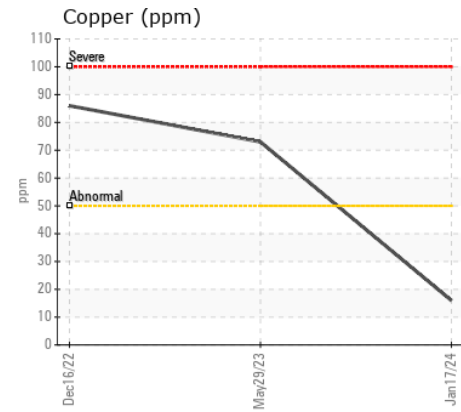
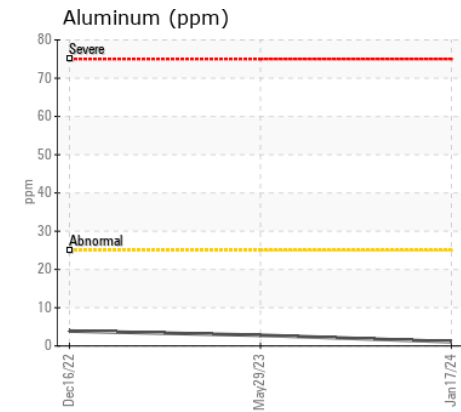
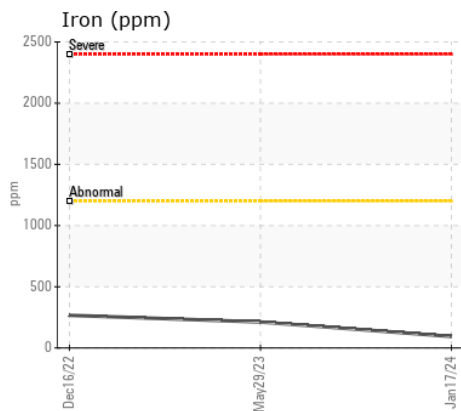
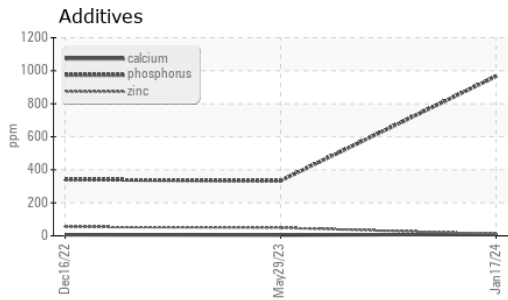
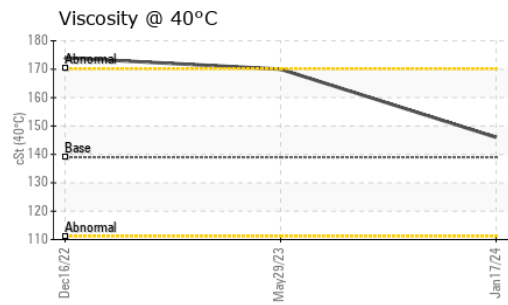
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>100	6	13	16
Potassium	ppm	ASTM D5185(m)	>20	1	<1	1
Water		WC Method	>0.25	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.25	NEG	NEG	NEG

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.

Sodium	ppm	ASTM D5185(m)		<1	2	3
Boron	ppm	ASTM D5185(m)	379	158	<1	1
Barium	ppm	ASTM D5185(m)	0.0	<1	5	5
Molybdenum	ppm	ASTM D5185(m)	0.8	0	0	<1
Manganese	ppm	ASTM D5185(m)	0.0	1	7	8
Magnesium	ppm	ASTM D5185(m)	31	<1	<1	<1
Calcium	ppm	ASTM D5185(m)	38	9	4	6
Phosphorus	ppm	ASTM D5185(m)	1077	966	333	341
Zinc	ppm	ASTM D5185(m)	46	11	49	54
Sulfur	ppm	ASTM D5185(m)	23526	24689	13937	14070
Visc @ 40°C	cSt	ASTM D7279(m)	139	146	170	174



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP449438 **Received** : 22 Jan 2024
Lab Number : 02610413 **Diagnosed** : 22 Jan 2024
Unique Number : 5711499 **Diagnostician** : Wes Davis
Test Package : MOB 1

STRONGCO EQUIPMENT INC.
 55 ISNOR DRIVE, BURNSIDE INDUSTRIAL PARK
 DARTMOUTH, NS
 CA B3B 1N6
 Contact: Lindsay Downs
 ldowns@strongco.com
 T: (902)468-5010
 F: (902)468-2468

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.