



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Machine Id
VOLVO EC250EL 314172
Component
Swing Drive
Fluid
VALVOLINE 15W40 (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

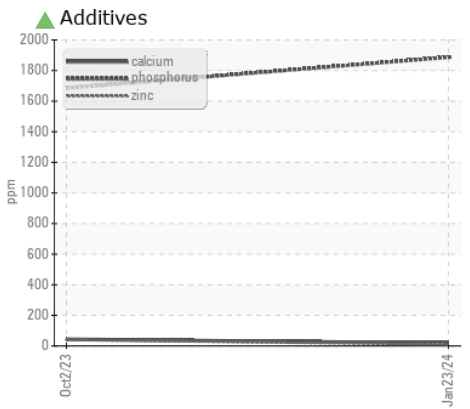
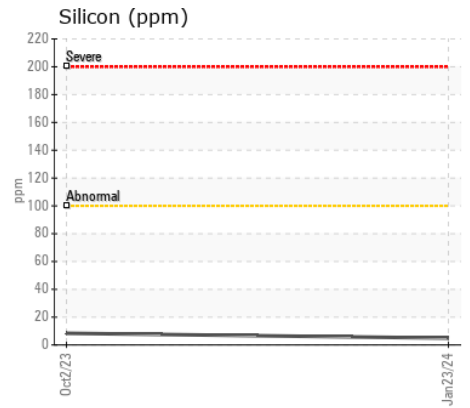
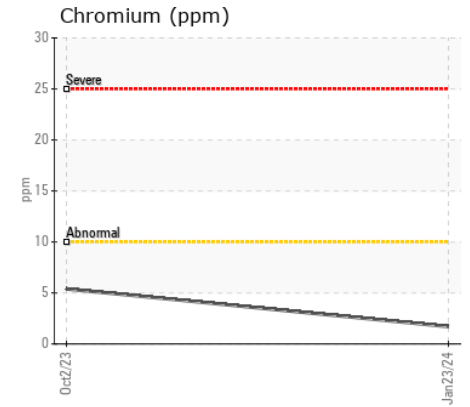
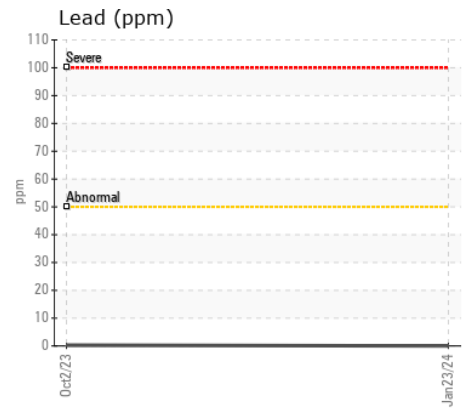
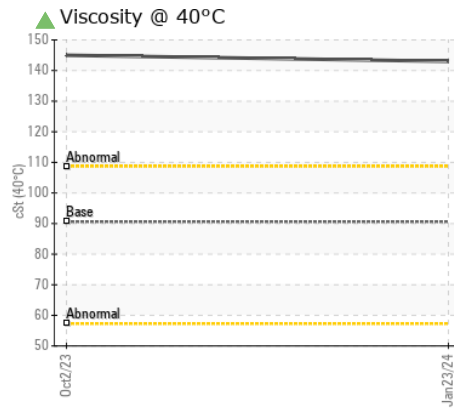
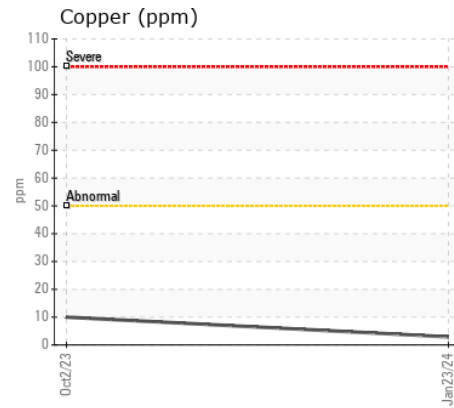
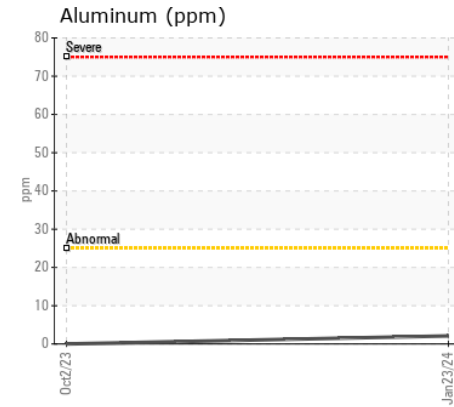
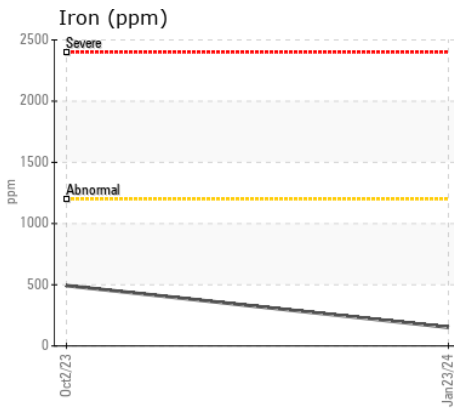
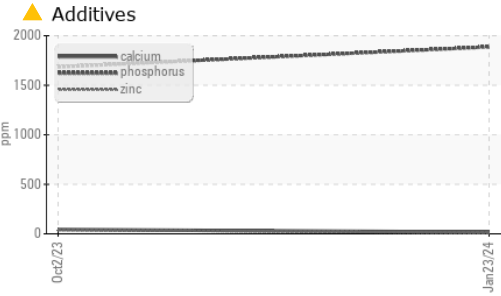
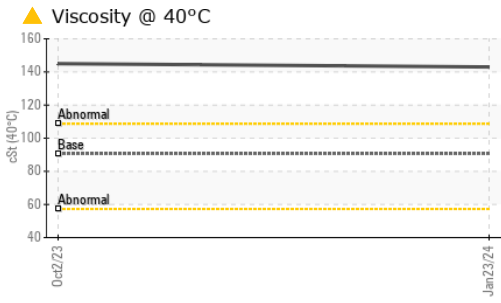
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP439480	VCP407156	---
Sample Date		Client Info		23 Jan 2024	02 Oct 2023	---
Machine Age	hrs	Client Info		0	2232	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Not Changed	---
Sample Status				ATTENTION	NORMAL	---
<hr/>						
Iron	ppm	ASTM D5185m	>1200	152	493	---
Chromium	ppm	ASTM D5185m	>10	2	5	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	2	0	---
Lead	ppm	ASTM D5185m	>50	0	<1	---
Copper	ppm	ASTM D5185m	>50	3	10	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
<hr/>						
Silicon	ppm	ASTM D5185m	>100	5	8	---
Potassium	ppm	ASTM D5185m	>20	<1	<1	---
Water		WC Method	>0.25	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
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	>0.25	NEG	NEG	---
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Sodium	ppm	ASTM D5185m		0	0	---
Boron	ppm	ASTM D5185m	39	▲ 189	71	---
Barium	ppm	ASTM D5185m	1	<1	2	---
Molybdenum	ppm	ASTM D5185m	49	▲ <1	<1	---
Manganese	ppm	ASTM D5185m	1	2	6	---
Magnesium	ppm	ASTM D5185m	616	▲ <1	<1	---
Calcium	ppm	ASTM D5185m	1554	▲ 18	44	---
Phosphorus	ppm	ASTM D5185m	899	▲ 1887	1685	---
Zinc	ppm	ASTM D5185m	1069	▲ 9	39	---
Sulfur	ppm	ASTM D5185m	2624	▲ 28877	18292	---
Visc @ 40°C	cSt	ASTM D445	90.6	▲ 143	145	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP439480 **Received** : 31 Jan 2024
Lab Number : 06076121 **Diagnosed** : 02 Feb 2024
Unique Number : 10858212 **Diagnostician** : Sean Felton
Test Package : MOB 1

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)

CITY CARTING
 221 OLD GATE LN
 MILFORD, CT
 US 06460

Contact: TAVINS BANKS
 tavins@citycart.net
 T: (203)223-3885
 F: