



ASCENDUM

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
VOLVO EC250EL 310605 - EC250EL
 Component
Swing Drive
 Fluid
VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0010827	VCP261773	---
Sample Date		Client Info		20 Jun 2024	18 Nov 2019	---
Machine Age	hrs	Client Info		3509	672	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

Gear wear is indicated.

Iron	ppm	ASTM D5185m	>1200	▲ 1229	536	---
Chromium	ppm	ASTM D5185m	>10	▲ 12	8	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>25	3	2	---
Lead	ppm	ASTM D5185m	>50	<1	0	---
Copper	ppm	ASTM D5185m	>50	52	28	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

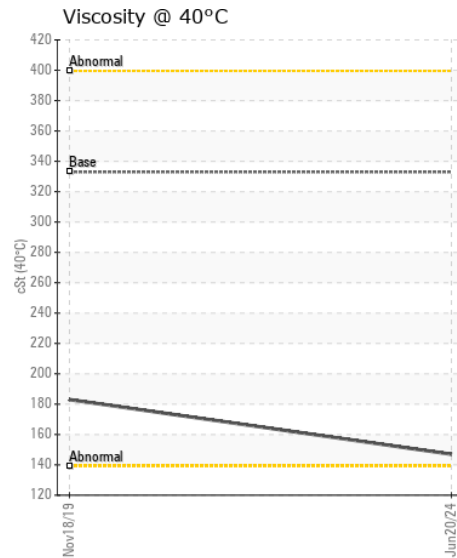
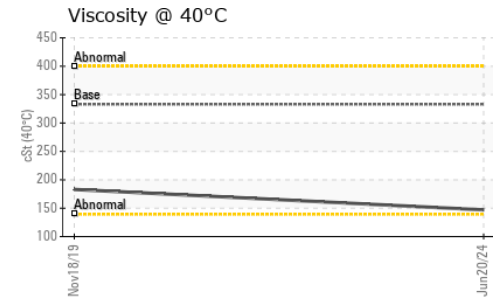
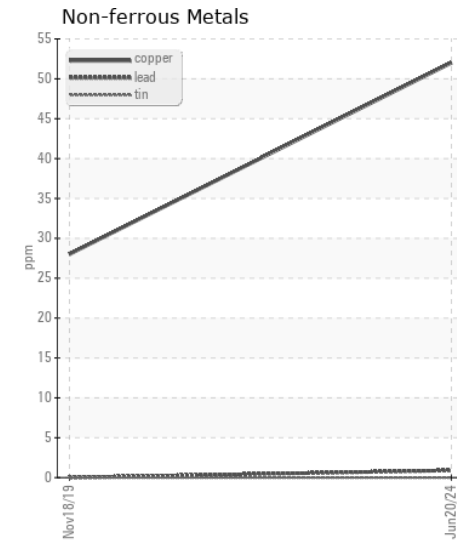
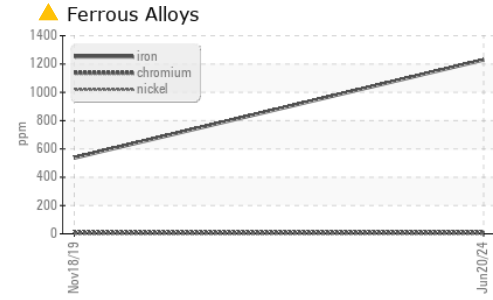
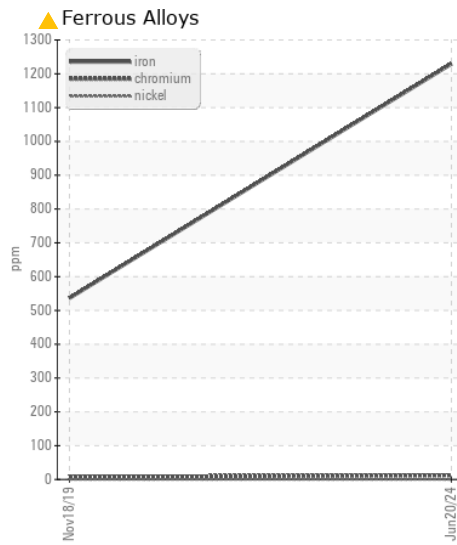
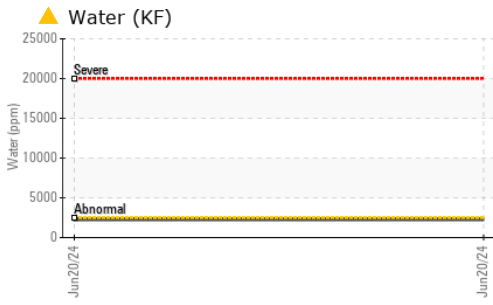
There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>100	25	20	---
Potassium	ppm	ASTM D5185m	>20	<1	<1	---
Water	%	ASTM D6304	>0.25	▲ 0.227	---	---
ppm Water	ppm	ASTM D6304	>2500	▲ 2270	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT	---
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	0.2%	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	1	---
Boron	ppm	ASTM D5185m	111	71	1	---
Barium	ppm	ASTM D5185m	0.0	<1	2	---
Molybdenum	ppm	ASTM D5185m	0.9	1	0	---
Manganese	ppm	ASTM D5185m	0.0	14	9	---
Magnesium	ppm	ASTM D5185m	39	28	<1	---
Calcium	ppm	ASTM D5185m	93	22	9	---
Phosphorus	ppm	ASTM D5185m	920	986	412	---
Zinc	ppm	ASTM D5185m	104	68	28	---
Sulfur	ppm	ASTM D5185m	20179	28864	11474	---
Visc @ 40°C	cSt	ASTM D445	333	147	183	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : ASC0010827

Lab Number : 06222932

Unique Number : 11101129

Test Package : CONST (Additional Tests: KF)

Received : 27 Jun 2024

Tested : 01 Jul 2024

Diagnosed : 01 Jul 2024 - Jonathan Hester

365 - ASCENDUM MACHINERY INC - SAVANNAH

54 MEDLINE DR

RICHMOND HILL, GA

US 31324

Contact: JESSE WILSON

jesse.wilson@ascendummachinery.com

T:

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)

F: (912)964-9515