



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO EC250EL 310378
Component
Swing Drive
Fluid
{not provided} (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

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

FLUID CONDITION

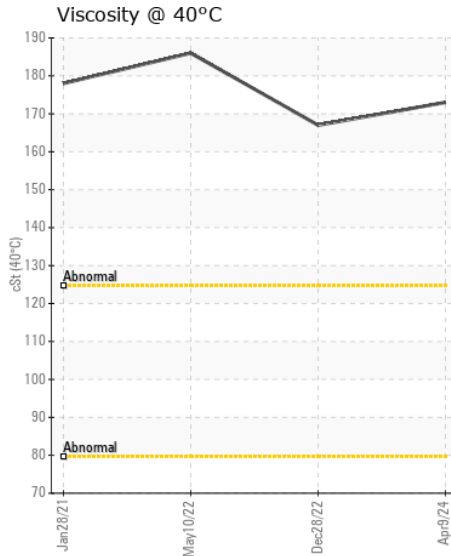
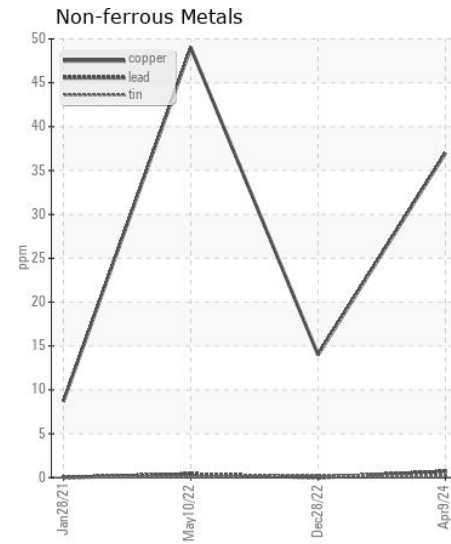
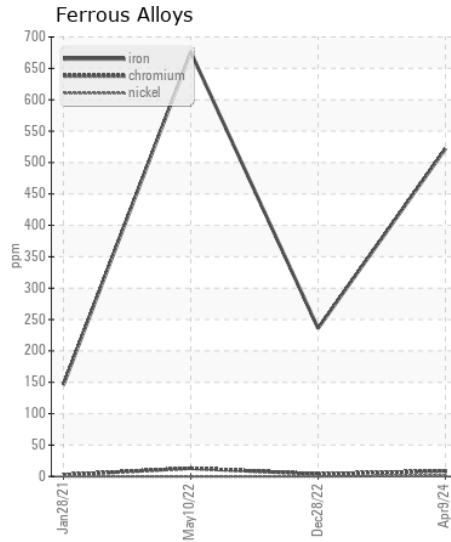
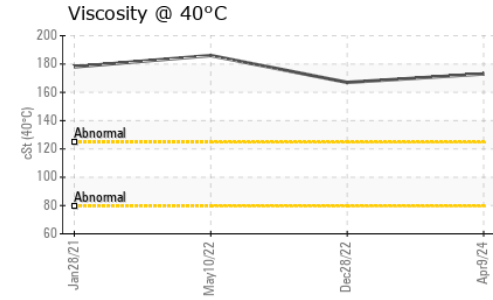
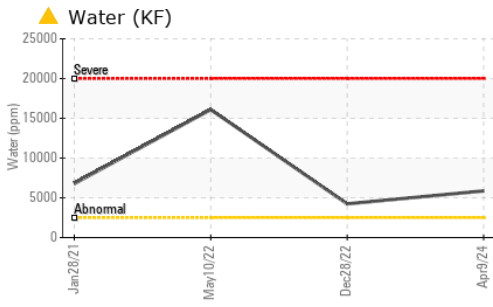
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0010159	VCP05727540	VCP377560
Sample Date		Client Info		09 Apr 2024	28 Dec 2022	10 May 2022
Machine Age	hrs	Client Info		5322	3729	3118
Oil Age	hrs	Client Info		500	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	SEVERE

Iron	ppm	ASTM D5185m	>1200	522	236	676
Chromium	ppm	ASTM D5185m	>10	9	4	13
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	4	5
Lead	ppm	ASTM D5185m	>50	<1	0	<1
Copper	ppm	ASTM D5185m	>50	37	14	49
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>100	17	22	21
Potassium	ppm	ASTM D5185m	>20	1	0	<1
Water	%	ASTM D6304	>0.25	▲ 0.587	▲ 0.424	▲ 1.61
ppm Water	ppm	ASTM D6304	>2500	▲ 5870	▲ 4240	▲ 16100
Silt	scalar	*Visual	NONE	NONE	MODER	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	VLITE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	● MILKY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.25	▲ 0.2%	▲ 0.2%	NEG

Sodium	ppm	ASTM D5185m		3	1	4
Boron	ppm	ASTM D5185m		6	<1	14
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		11	4	12
Magnesium	ppm	ASTM D5185m		63	22	79
Calcium	ppm	ASTM D5185m		145	16	48
Phosphorus	ppm	ASTM D5185m		468	317	433
Zinc	ppm	ASTM D5185m		83	13	43
Sulfur	ppm	ASTM D5185m		16720	16769	12303
Visc @ 40°C	cSt	ASTM D445		173	167	186



Certificate L2367

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

Sample No. : ASC0010159

Lab Number : 06147809

Unique Number : 10977887

Test Package : CONST (Additional Tests: KF)

Received : 12 Apr 2024

Tested : 16 Apr 2024

Diagnosed : 16 Apr 2024 - Don Baldrige

CARDINAL CIVIL

4700 FALLS OF NEUSE RD, SUITE 370

RALEIGH, NC

US 27609

Contact: Service Manager

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)

T: (919)324-1964

F: