



WEAR	SEVERE
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id
VOLVO EC210C 110262

Component
Right Travel

Fluid
{not provided} (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

The iron and chrome levels are severe. Gear wear is indicated. Moderate concentration of visible metal present.

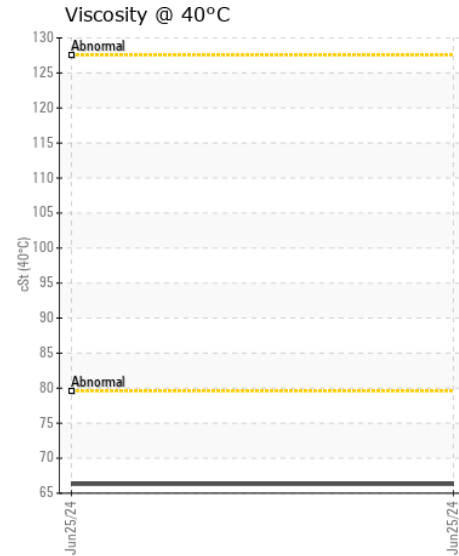
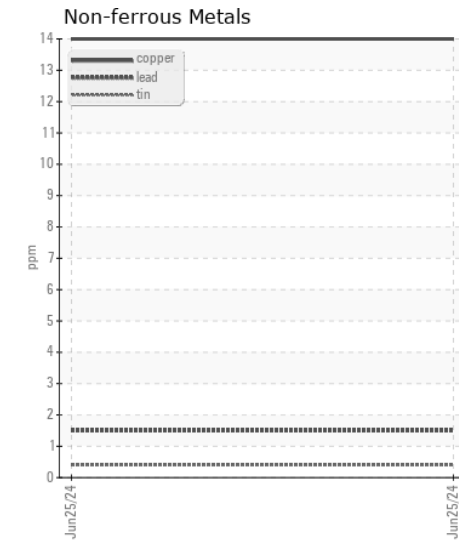
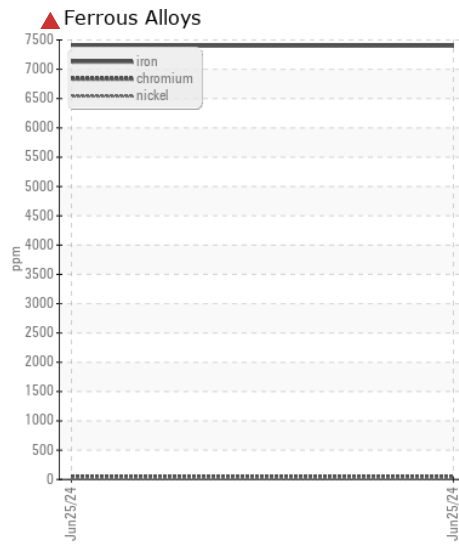
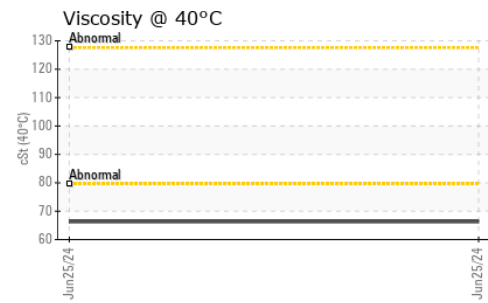
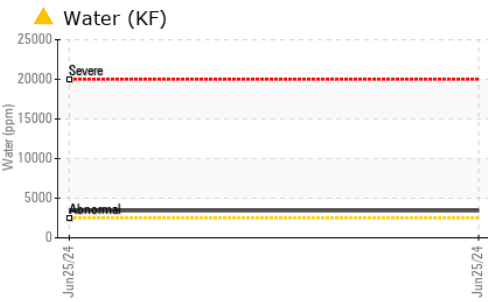
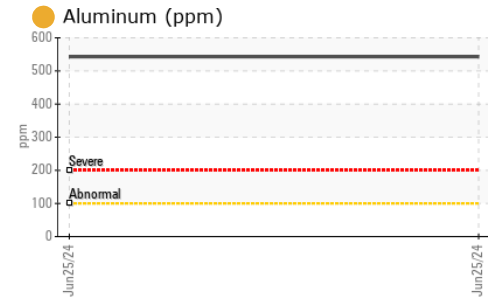
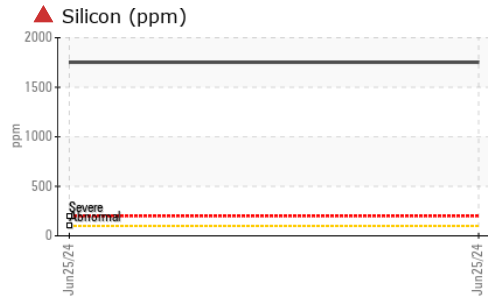
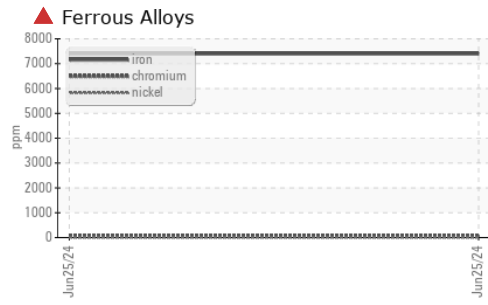
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a light concentration of water present in the oil.

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0003306	---	---
Sample Date		Client Info		25 Jun 2024	---	---
Machine Age	hrs	Client Info		9000	---	---
Oil Age	hrs	Client Info		9000	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---
Iron	ppm	ASTM D5185m	>1200	▲ 7400	---	---
Chromium	ppm	ASTM D5185m	>20	▲ 55	---	---
Nickel	ppm	ASTM D5185m	>5	4	---	---
Titanium	ppm	ASTM D5185m		34	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>100	● 543	---	---
Lead	ppm	ASTM D5185m	>50	2	---	---
Copper	ppm	ASTM D5185m	>50	14	---	---
Tin	ppm	ASTM D5185m	>5	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	▲ MODER	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>100	▲ 1752	---	---
Potassium	ppm	ASTM D5185m	>20	144	---	---
Water	%	ASTM D6304	>0.25	▲ 0.342	---	---
ppm Water	ppm	ASTM D6304	>2500	▲ 3420	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.25	0.2%	---	---
Sodium	ppm	ASTM D5185m		21	---	---
Boron	ppm	ASTM D5185m		217	---	---
Barium	ppm	ASTM D5185m		4	---	---
Molybdenum	ppm	ASTM D5185m		8	---	---
Manganese	ppm	ASTM D5185m		45	---	---
Magnesium	ppm	ASTM D5185m		57	---	---
Calcium	ppm	ASTM D5185m		71	---	---
Phosphorus	ppm	ASTM D5185m		2127	---	---
Zinc	ppm	ASTM D5185m		85	---	---
Sulfur	ppm	ASTM D5185m		50953	---	---
Visc @ 40°C	cSt	ASTM D445		66.3	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0003306
Lab Number : 06221680
Unique Number : 11099877
Test Package : CONST (Additional Tests: KF)

Received : 26 Jun 2024
Tested : 27 Jun 2024
Diagnosed : 28 Jun 2024 - Don Baldrige

160 - ASCENDUM MACHINERY INC - MILLS RIVER
 215 FANNING FIELDS RD
 MILLS RIVER, NC
 US 28759
 Contact: BRANDON DRAKE
 brandon.drake@ascendummachinery.com
 T: 8(286)687-0620
 F: (828)687-0622

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)