



ASCENDUM

OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ABNORMAL

SEVERE

NORMAL



Machine Id
VOLVO L30G 3224073
Component
Front Axle
Fluid
{not provided} (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0004549	---	---
Sample Date		Client Info		02 Apr 2024	---	---
Machine Age	hrs	Client Info		3816	---	---
Oil Age	hrs	Client Info		3816	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---

WEAR

Gear wear is indicated.

Iron	ppm	ASTM D5185m	>500	▲ 645	---	---
Chromium	ppm	ASTM D5185m	>20	5	---	---
Nickel	ppm	ASTM D5185m	>10	2	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>30	3	---	---
Lead	ppm	ASTM D5185m	>50	0	---	---
Copper	ppm	ASTM D5185m	>120	2	---	---
Tin	ppm	ASTM D5185m	>20	12	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

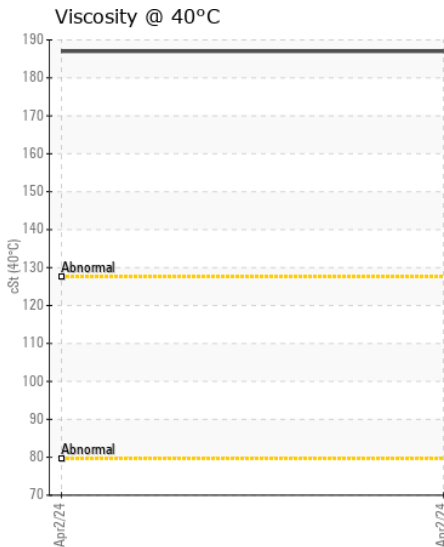
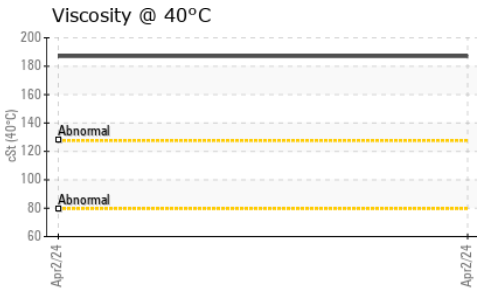
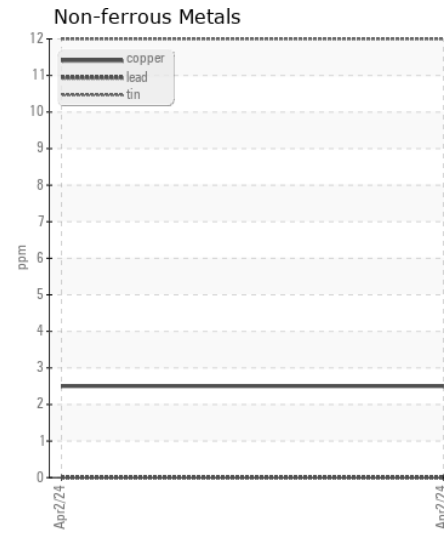
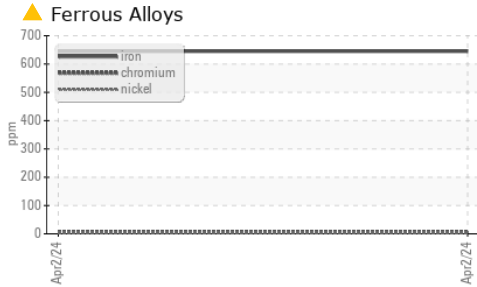
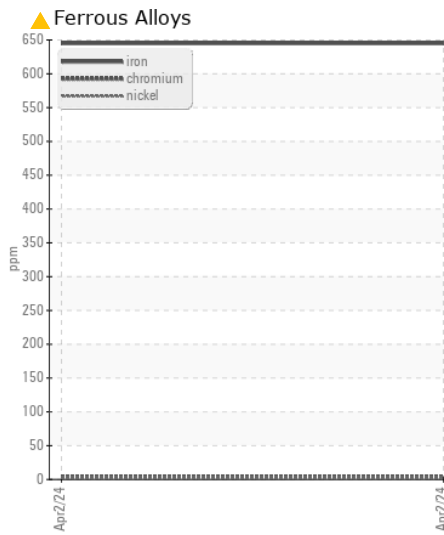
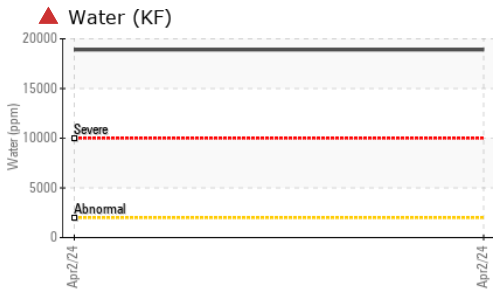
There is a high concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>50	35	---	---
Potassium	ppm	ASTM D5185m	>20	8	---	---
Water	%	ASTM D6304	>0.2	▲ 1.89	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 18900	---	---
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	>0.2	▲ 0.2%	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	---	---
Boron	ppm	ASTM D5185m		18	---	---
Barium	ppm	ASTM D5185m		25	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		7	---	---
Magnesium	ppm	ASTM D5185m		10	---	---
Calcium	ppm	ASTM D5185m		3127	---	---
Phosphorus	ppm	ASTM D5185m		1037	---	---
Zinc	ppm	ASTM D5185m		857	---	---
Sulfur	ppm	ASTM D5185m		16652	---	---
Visc @ 40°C	cSt	ASTM D445		187	---	---



Certificate L2367

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

Sample No. : ASC0004549

Lab Number : 06150774

Unique Number : 10980852

Test Package : CONST (Additional Tests: KF)

Received : 16 Apr 2024

Tested : 18 Apr 2024

Diagnosed : 18 Apr 2024 - Don Baldrige

365 - ASCENDUM MACHINERY INC - SAVANNAH

54 MEDLINE DR

RICHMOND HILL, GA

US 31324

Contact: AMANDA KARI

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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)

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