



ASCENDUM

OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

SEVERE

NORMAL

NORMAL



Machine Id
VOLVO G720B 35633
Component
Rear Axle
Fluid
VOLVO WB 101 (--- GAL)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0010171	VCP426610	---
Sample Date		Client Info		23 May 2024	31 Mar 2023	---
Machine Age	hrs	Client Info		6546	5899	---
Oil Age	hrs	Client Info		6546	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Not Chngd	---
Filter Changed		Client Info		N/A	Not Chngd	---
Sample Status				SEVERE	SEVERE	---

WEAR

Gear wear is indicated. Bearing and/or bushing wear is indicated.

Iron	ppm	ASTM D5185m	>500	▲ 2349	▲ 2812	---
Chromium	ppm	ASTM D5185m	>10	▲ 12	▲ 15	---
Nickel	ppm	ASTM D5185m	>10	6	7	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	5	16	---
Lead	ppm	ASTM D5185m	>25	▲ 84	▲ 125	---
Copper	ppm	ASTM D5185m	>50	▲ 338	▲ 380	---
Tin	ppm	ASTM D5185m	>10	▲ 27	▲ 36	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	MODER	▲ HEAVY	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

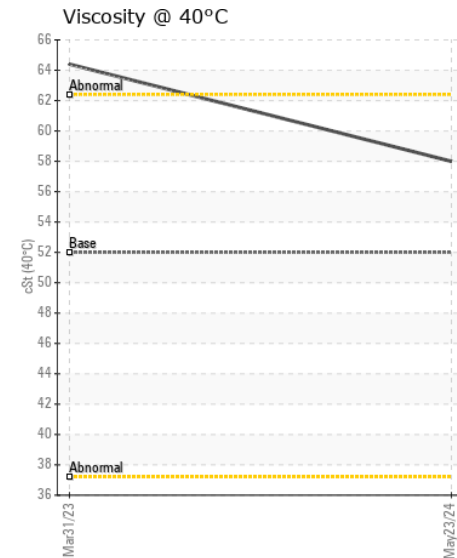
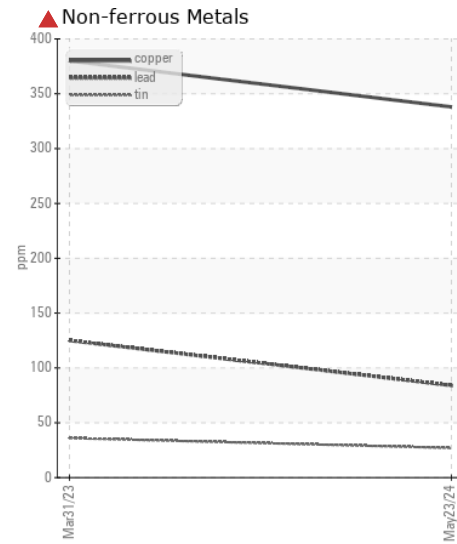
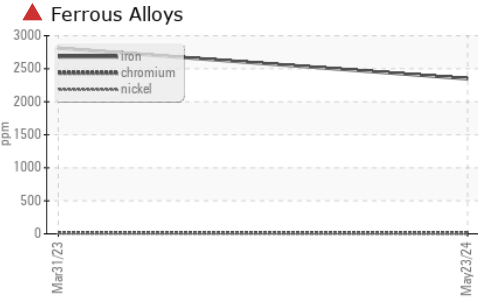
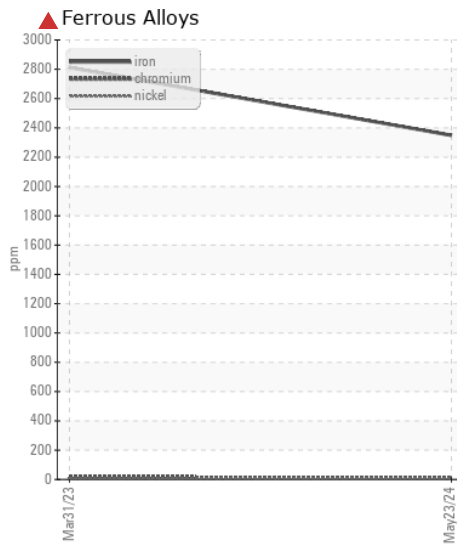
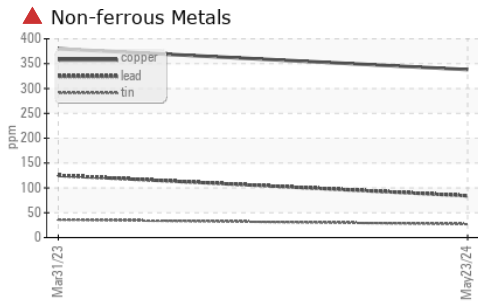
No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185m	>75	51	59	---
Potassium	ppm	ASTM D5185m	>20	8	9	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	MODER	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	>0.2	NEG	NEG	---

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185m		8	6	---
Boron	ppm	ASTM D5185m	100	30	46	---
Barium	ppm	ASTM D5185m	0	24	22	---
Molybdenum	ppm	ASTM D5185m	0	6	9	---
Manganese	ppm	ASTM D5185m		24	30	---
Magnesium	ppm	ASTM D5185m	0	20	32	---
Calcium	ppm	ASTM D5185m	3800	2833	3391	---
Phosphorus	ppm	ASTM D5185m	1200	1078	1112	---
Zinc	ppm	ASTM D5185m	1500	1072	1313	---
Sulfur	ppm	ASTM D5185m	6500	7345	8439	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0010171
Lab Number : 06212630
Unique Number : 11085494
Test Package : CONST

Received : 17 Jun 2024
Tested : 19 Jun 2024
Diagnosed : 19 Jun 2024 - Angela Borella

117 - ASCENDUM MACHINERY INC - GREENVILLE
 2002 N GREENE ST
 GREENVILLE, NC
 US 27834

Contact: STEPHEN ARNOLD
 stephen.arnold@ascendummachinery.com

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)661-8710
 F: (704)494-8197