



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO A45G 2364 (S/N 752175)
Component
Bogie/Center Axle
Fluid
{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

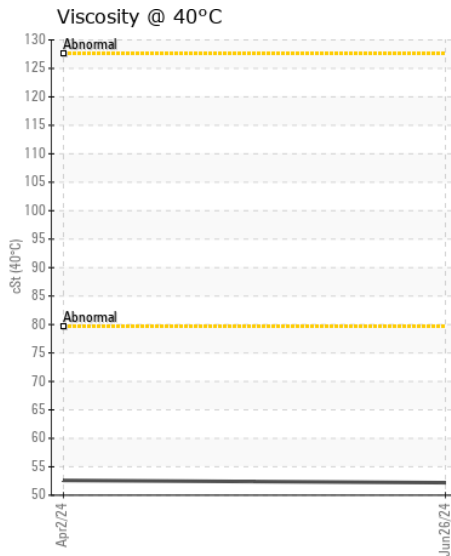
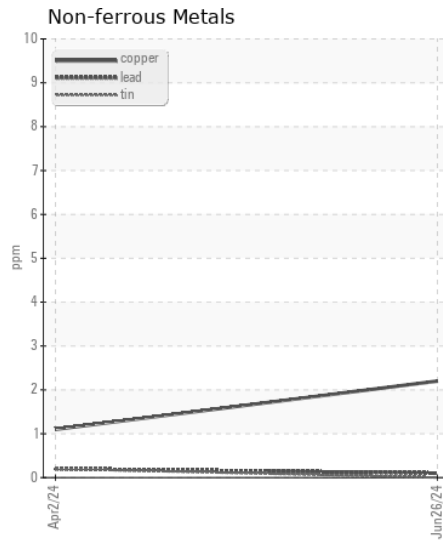
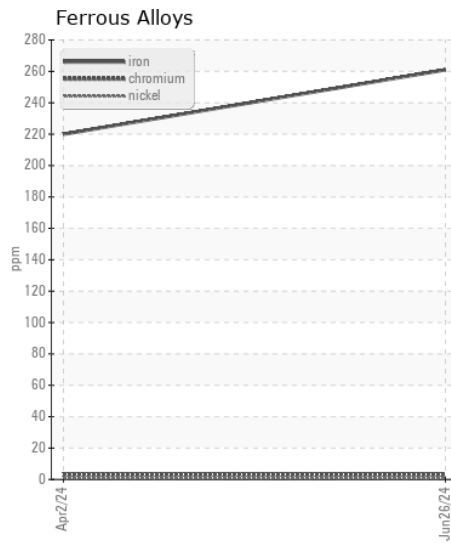
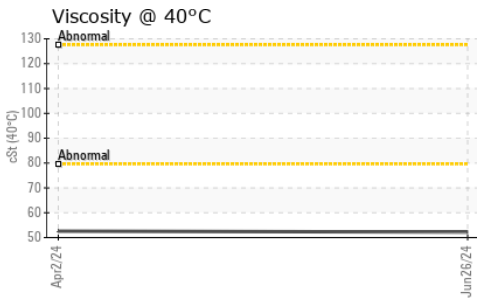
CONTAMINATION

There is no indication of any contamination 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		ASC0011373	ASC0010297	---
Sample Date		Client Info		26 Jun 2024	02 Apr 2024	---
Machine Age	hrs	Client Info		1017	503	---
Oil Age	hrs	Client Info		1017	503	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>900	261	220	---
Chromium	ppm	ASTM D5185m	>20	3	3	---
Nickel	ppm	ASTM D5185m	>10	1	1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>30	3	2	---
Lead	ppm	ASTM D5185m	>50	<1	<1	---
Copper	ppm	ASTM D5185m	>150	2	1	---
Tin	ppm	ASTM D5185m	>20	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>50	5	5	---
Potassium	ppm	ASTM D5185m	>20	4	5	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	MODER	NONE	---
Debris	scalar	*Visual	NONE	NONE	▲ MODER	---
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	---
Sodium	ppm	ASTM D5185m		4	4	---
Boron	ppm	ASTM D5185m		251	281	---
Barium	ppm	ASTM D5185m		1	<1	---
Molybdenum	ppm	ASTM D5185m		8	8	---
Manganese	ppm	ASTM D5185m		9	10	---
Magnesium	ppm	ASTM D5185m		2	1	---
Calcium	ppm	ASTM D5185m		131	113	---
Phosphorus	ppm	ASTM D5185m		2388	2357	---
Zinc	ppm	ASTM D5185m		67	54	---
Sulfur	ppm	ASTM D5185m		27928	29571	---
Visc @ 40°C	cSt	ASTM D445		52.2	52.6	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0011373
Lab Number : 06222631
Unique Number : 11100828
Test Package : CONST

Received : 27 Jun 2024
Tested : 28 Jun 2024
Diagnosed : 28 Jun 2024 - Wes Davis

G S MATERIALS INC
 PO BOX 1335
 BURLINGTON, NC
 US 27216

Contact: KAREN NEWPORT
 Gsmaterials@windstream.net

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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