



ASCENDUM

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
{UNASSIGNED}
Machine Id
VOLVO A45G 13204626 (S/N 353463)
Component
Brakefluid
Fluid
{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0010357	---	---
Sample Date		Client Info		27 Jun 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	41	---	---
Chromium	ppm	ASTM D5185m		1	---	---
Nickel	ppm	ASTM D5185m	>5	5	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>150	2	---	---
Lead	ppm	ASTM D5185m	>7	<1	---	---
Copper	ppm	ASTM D5185m	>450	131	---	---
Tin	ppm	ASTM D5185m	>50	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

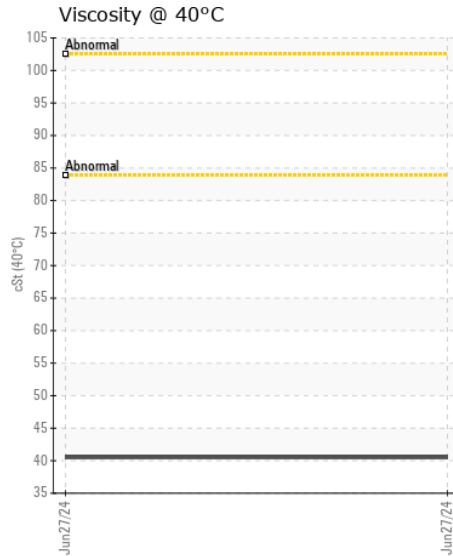
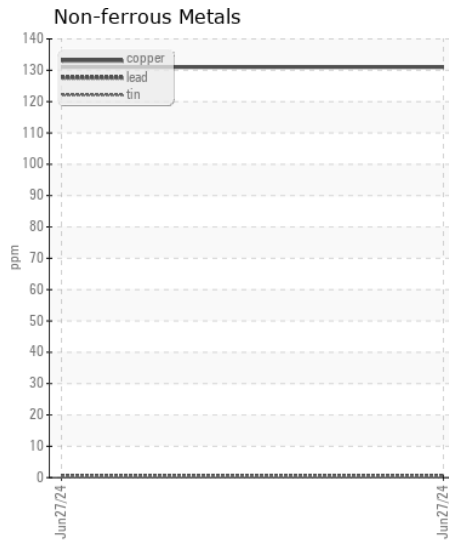
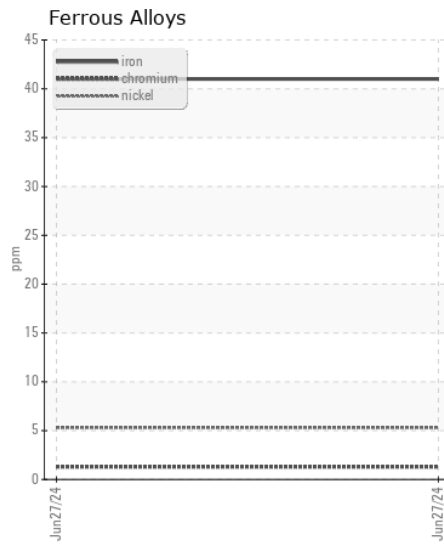
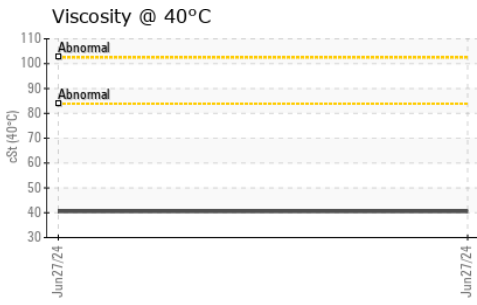
There is a moderate amount of visible silt present in the sample.

Silicon	ppm	ASTM D5185m		20	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water		WC Method	>2.0	NEG	---	---
Silt	scalar	*Visual	NONE	▲ MODER	---	---
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	>2.0	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		6	---	---
Boron	ppm	ASTM D5185m		145	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		1	---	---
Magnesium	ppm	ASTM D5185m		9	---	---
Calcium	ppm	ASTM D5185m		3837	---	---
Phosphorus	ppm	ASTM D5185m		1241	---	---
Zinc	ppm	ASTM D5185m		1609	---	---
Sulfur	ppm	ASTM D5185m		5459	---	---
Visc @ 40°C	cSt	ASTM D445		40.5	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0010357
Lab Number : 06228178
Unique Number : 11111671
Test Package : CONST

Received : 03 Jul 2024
Tested : 08 Jul 2024
Diagnosed : 08 Jul 2024 - Angela Borella

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

Contact: GAGE PARRISH
 gage.parrish@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)

F: (704)494-8197