



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO A45G 352344
Component
Drop Box
Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP0008174	VCP350602	---
Sample Date		Client Info		19 Jun 2024	04 Jan 2022	---
Machine Age	hrs	Client Info		0	2007	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Not Changd	---
Filter Changed		Client Info		N/A	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	288	158	---
Chromium	ppm	ASTM D5185m	>20	2	2	---
Nickel	ppm	ASTM D5185m	>10	1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>30	3	<1	---
Lead	ppm	ASTM D5185m	>30	<1	0	---
Copper	ppm	ASTM D5185m	>30	19	8	---
Tin	ppm	ASTM D5185m	>20	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	VLITE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

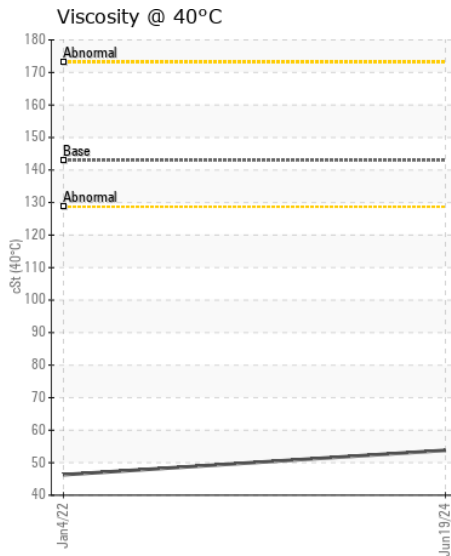
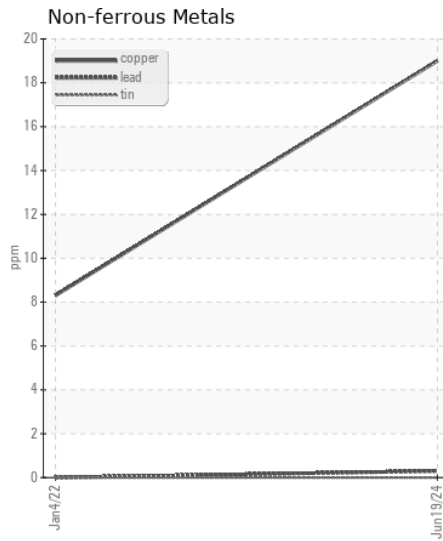
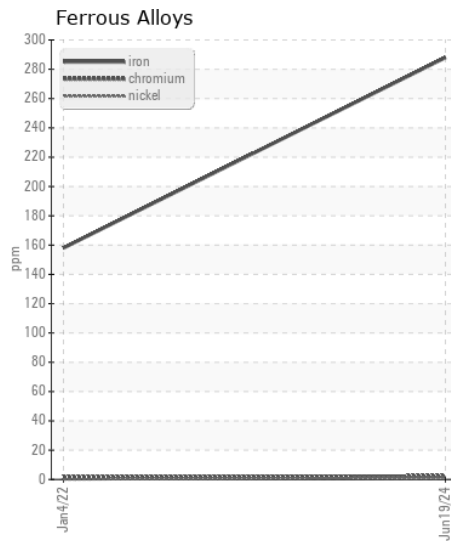
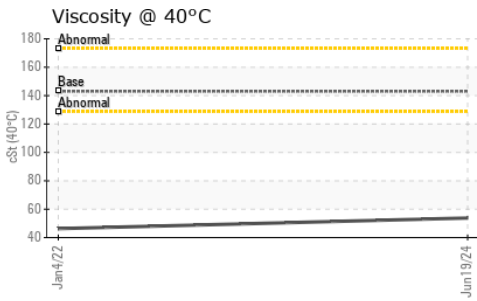
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	42	46	---
Potassium	ppm	ASTM D5185m	>20	2	0	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>170	6	10	---
Boron	ppm	ASTM D5185m	400	96	137	---
Barium	ppm	ASTM D5185m	200	<1	0	---
Molybdenum	ppm	ASTM D5185m	12	10	11	---
Manganese	ppm	ASTM D5185m		6	3	---
Magnesium	ppm	ASTM D5185m	12	5	<1	---
Calcium	ppm	ASTM D5185m	150	19	52	---
Phosphorus	ppm	ASTM D5185m	1650	1875	2099	---
Zinc	ppm	ASTM D5185m	125	150	108	---
Sulfur	ppm	ASTM D5185m	22500	26337	22321	---
Visc @ 40°C	cSt	ASTM D445	143	53.8	46.3	---



Certificate L2367

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

Sample No. : VCP0008174

Lab Number : 06222664

Unique Number : 11100861

Test Package : CONST

Received : 27 Jun 2024

Tested : 01 Jul 2024

Diagnosed : 01 Jul 2024 - Jonathan Hester

ALTA EQUIPMENT COMPANY

8750 PHILIPS HWY

JACKSONVILLE, FL

US 32256

Contact: SHAWN NORTHCRAFT

shawn.northcraft@altg.com

T: (904)737-6000

F: (904)737-1260

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)