



# VOLVO

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id  
**VOLVO A40G 352004**  
Component  
**Hydraulic System**  
Fluid  
**NOT GIVEN (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP0008448	VCP253505	---
Sample Date		Client Info		19 Jun 2024	27 Jan 2020	---
Machine Age	hrs	Client Info		1032	1032	---
Oil Age	hrs	Client Info		1032	1032	---
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	>50	16	3	---
Chromium	ppm	ASTM D5185m	>20	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>20	3	0	---
Lead	ppm	ASTM D5185m	>20	4	2	---
Copper	ppm	ASTM D5185m	>150	4	2	---
Tin	ppm	ASTM D5185m	>20	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

### CONTAMINATION

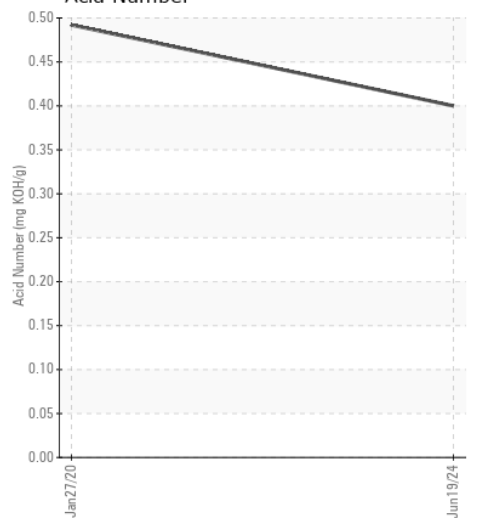
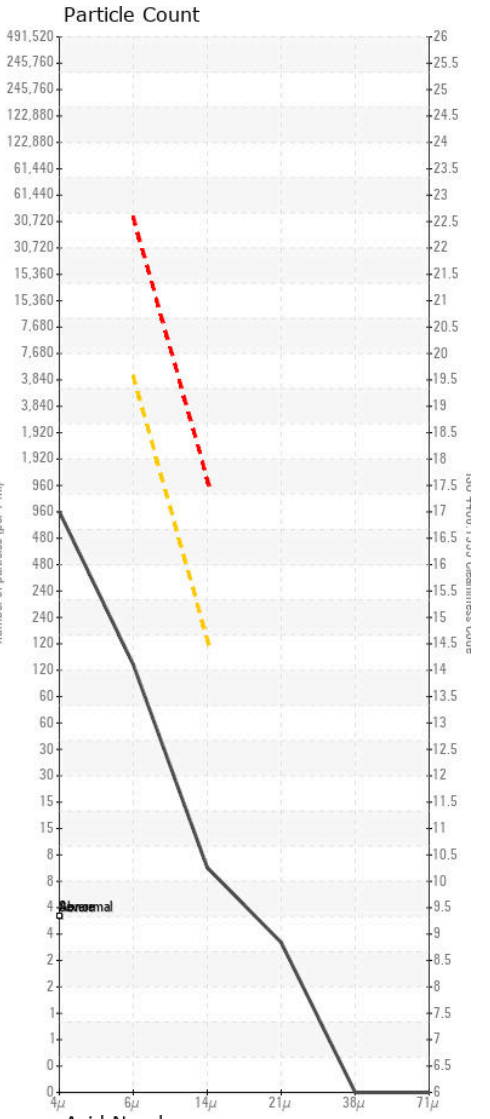
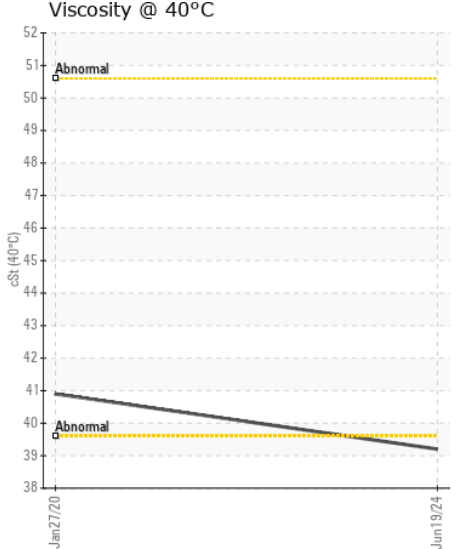
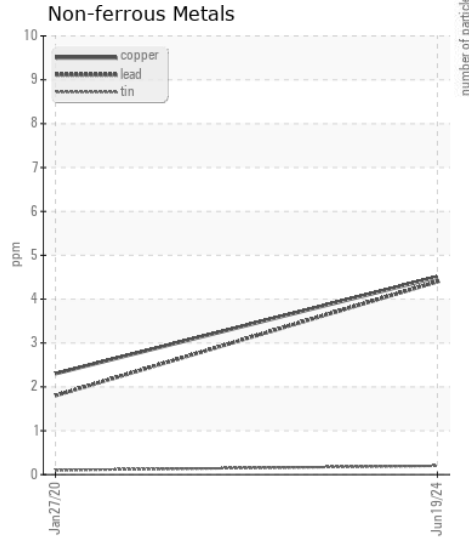
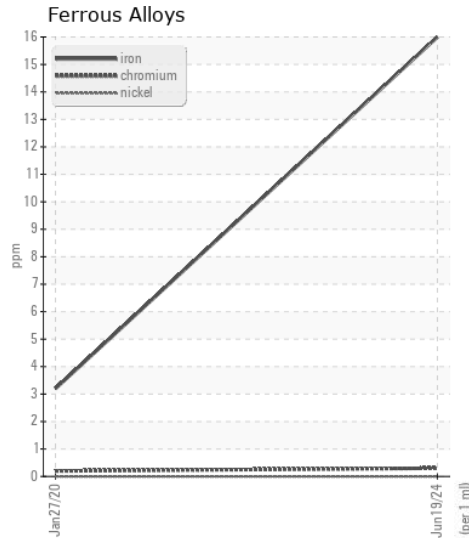
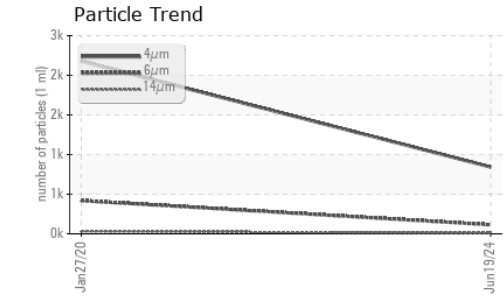
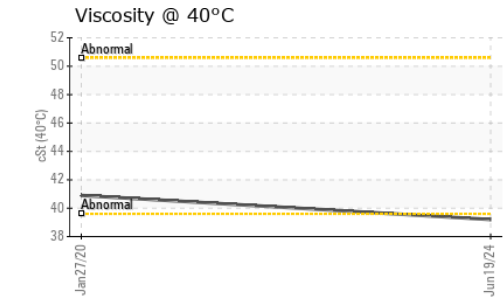
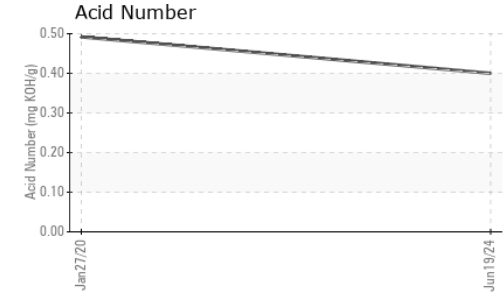
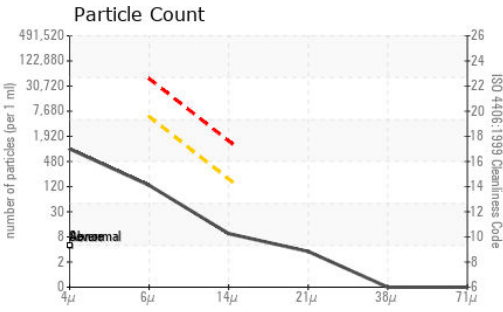
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	8	7	---
Potassium	ppm	ASTM D5185m	>20	<1	<1	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647		843	2178	---
Particles >6µm		ASTM D7647	>5000	114	419	---
Particles >14µm		ASTM D7647	>160	8	32	---
Particles >21µm		ASTM D7647	>40	3	12	---
Particles >38µm		ASTM D7647	>10	0	0	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>-/19/14	17/14/10	18/16/12	---
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	>0.1	NEG	NEG	---

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		3	1	---
Boron	ppm	ASTM D5185m		1	0	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		<1	0	---
Manganese	ppm	ASTM D5185m		0	<1	---
Magnesium	ppm	ASTM D5185m		3	<1	---
Calcium	ppm	ASTM D5185m		45	46	---
Phosphorus	ppm	ASTM D5185m		361	305	---
Zinc	ppm	ASTM D5185m		412	379	---
Sulfur	ppm	ASTM D5185m		4334	3006	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.40	0.492	---
Visc @ 40°C	cSt	ASTM D445		39.2	40.9	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP0008448  
**Lab Number** : 06222657  
**Unique Number** : 11100854  
**Test Package** : CONST  
**Received** : 27 Jun 2024  
**Tested** : 02 Jul 2024  
**Diagnosed** : 02 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)