



# VOLVO

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area  
**[SUPERIOR]**  
Machine Id  
**VOLVO A25G 740348**  
Component  
**Hydraulic System**  
Fluid  
**DIESEL ENGINE OIL SAE 15W40 (--- GAL)**

### RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP440059	VCP0007704	VCP237684
Sample Date		Client Info		08 Feb 2024	05 May 2023	04 Feb 2019
Machine Age	hrs	Client Info		11358	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	6	5	26
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	2
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>20	2	5	2
Lead	ppm	ASTM D5185m	>20	2	0	<1
Copper	ppm	ASTM D5185m	>150	3	2	▲ 251
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

### CONTAMINATION

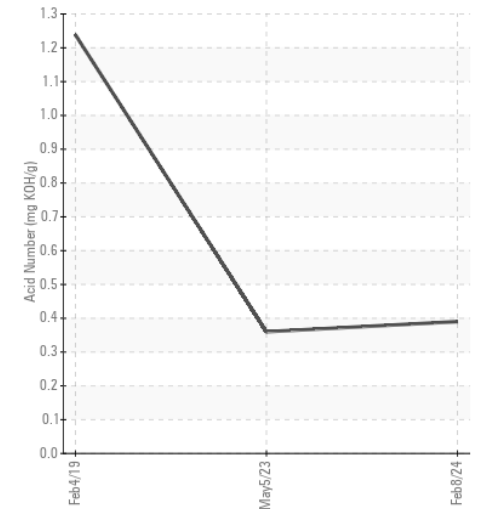
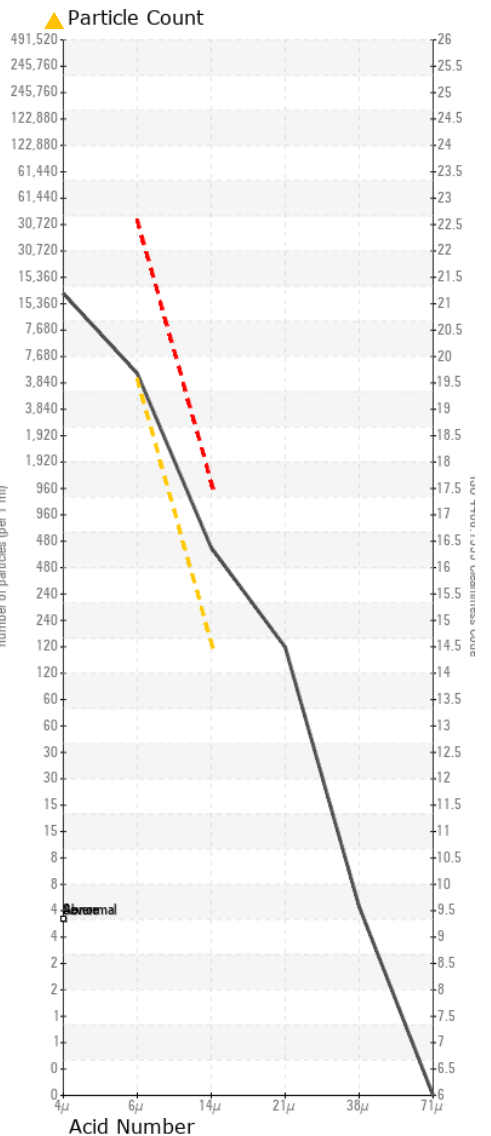
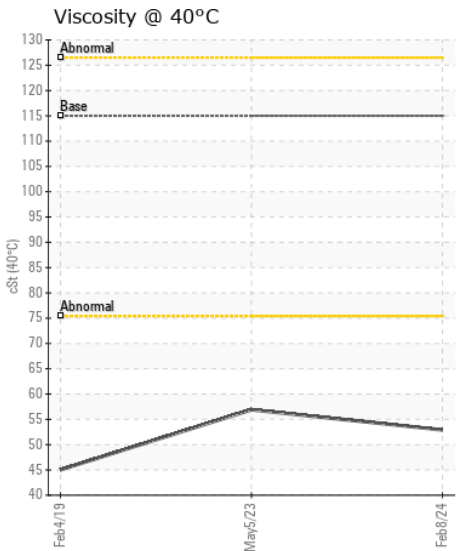
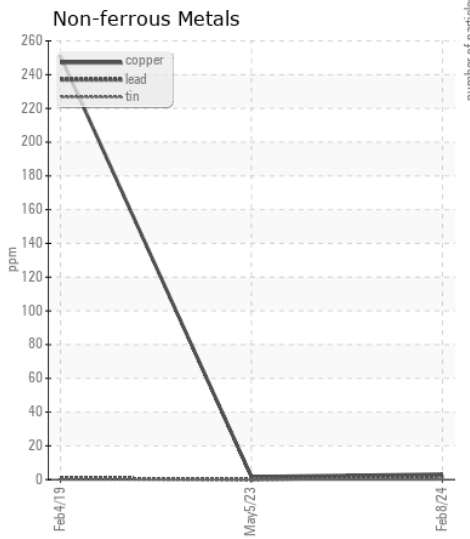
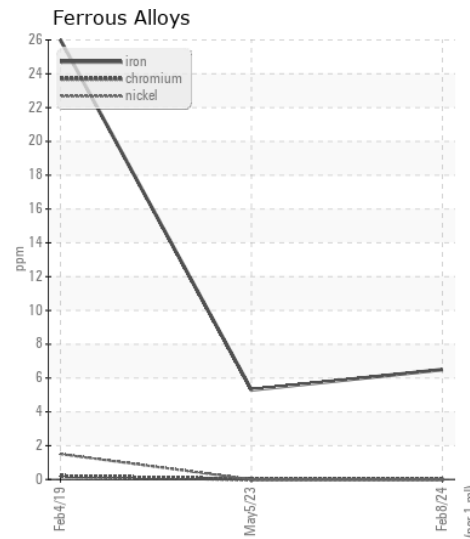
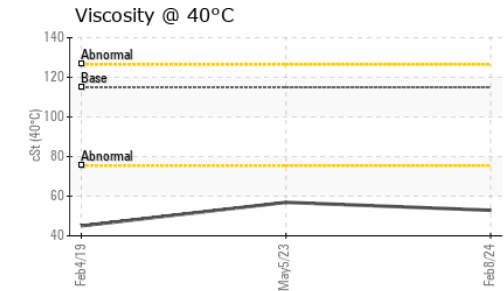
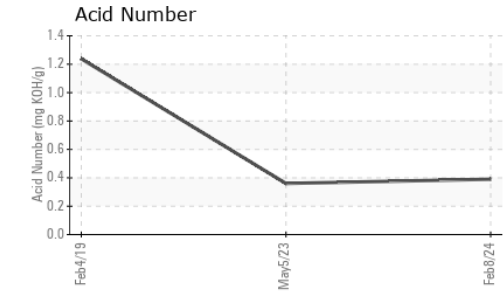
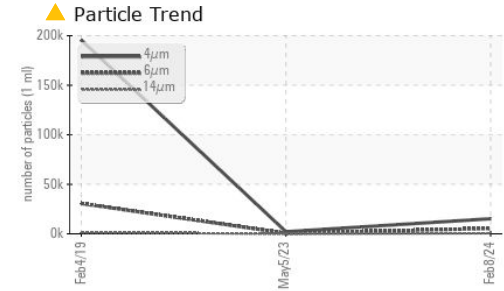
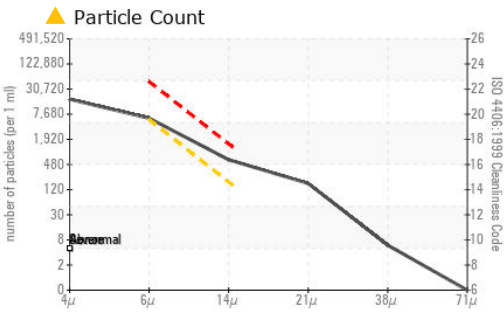
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	6	6	17
Potassium	ppm	ASTM D5185m	>20	<1	0	5
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647		15264	2095	195569
Particles >6µm		ASTM D7647	>5000	▲ 5355	566	▲ 30609
Particles >14µm		ASTM D7647	>160	▲ 548	27	▲ 1358
Particles >21µm		ASTM D7647	>40	▲ 149	4	▲ 247
Particles >38µm		ASTM D7647	>10	5	0	7
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>-/19/14	▲ 21/20/16	18/16/12	▲ 25/22/18
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	0.2%

### FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid.

Sodium	ppm	ASTM D5185m	>158	4	<1	9
Boron	ppm	ASTM D5185m	250	<1	1	125
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	<1	2	<1
Manganese	ppm	ASTM D5185m		0	<1	1
Magnesium	ppm	ASTM D5185m	450	2	8	8
Calcium	ppm	ASTM D5185m	3000	57	67	3207
Phosphorus	ppm	ASTM D5185m	1150	267	299	1094
Zinc	ppm	ASTM D5185m	1350	335	375	1286
Sulfur	ppm	ASTM D5185m	4250	1227	1224	6154
Acid Number (AN)	mg KOH/g	ASTM D8045		0.39	0.36	1.238
Visc @ 40°C	cSt	ASTM D445	115	52.9	56.9	45.02



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP440059  
**Lab Number** : 06102422  
**Unique Number** : 10900652  
**Test Package** : MOB 2

**Received** : 27 Feb 2024  
**Tested** : 28 Feb 2024  
**Diagnosed** : 29 Feb 2024 - Don Baldrige

**ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC**  
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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)