



# VOLVO

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area  
**[G08870]**  
 Machine Id  
**VOLVO A30G 740081**  
 Component  
**Hydraulic System**  
 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP440220	VCP435221	VCP190032
Sample Date		Client Info		12 Jun 2024	02 Aug 2023	23 Jun 2017
Machine Age	hrs	Client Info		12002	10546	2048
Oil Age	hrs	Client Info		0	0	2048
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	6	18	6
Chromium	ppm	ASTM D5185m	>20	<1	1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	1	4	<1
Lead	ppm	ASTM D5185m	>20	0	3	1
Copper	ppm	ASTM D5185m	>150	3	9	5
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

### CONTAMINATION

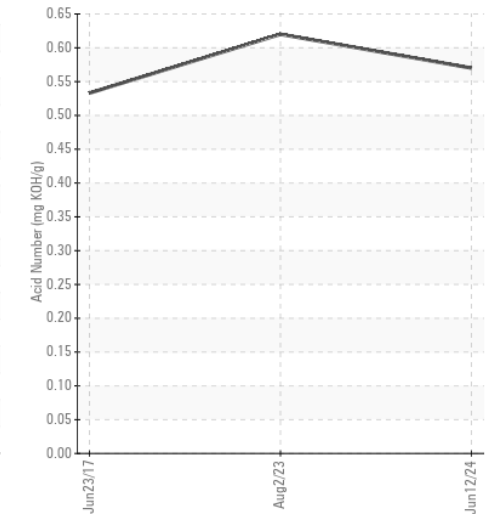
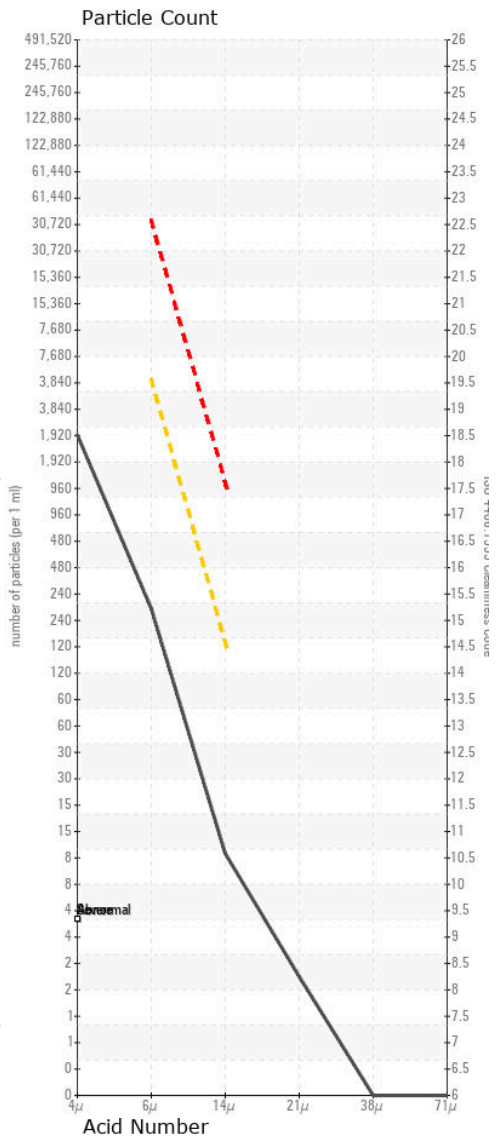
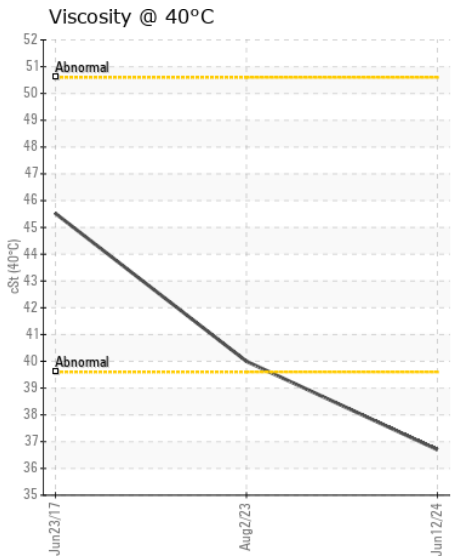
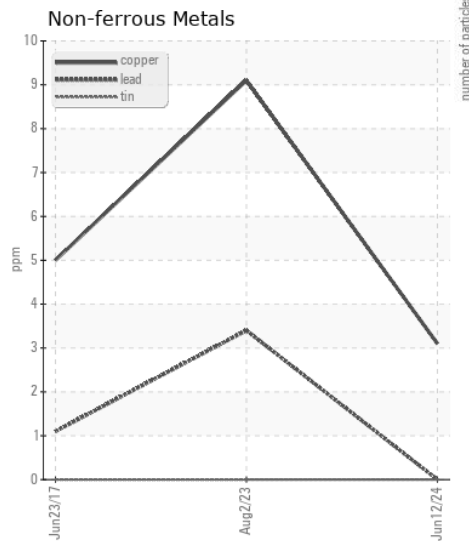
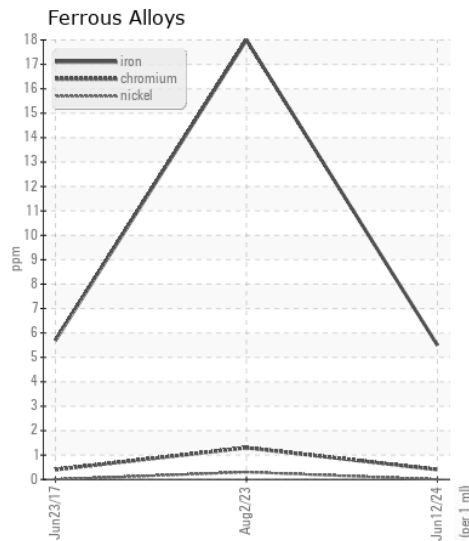
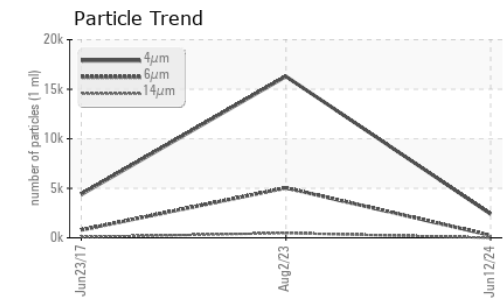
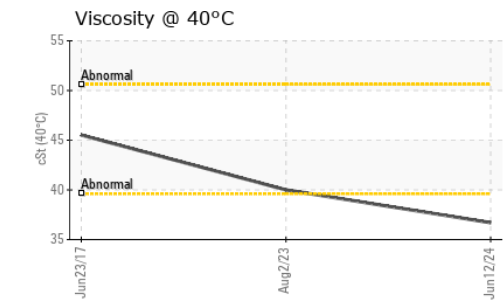
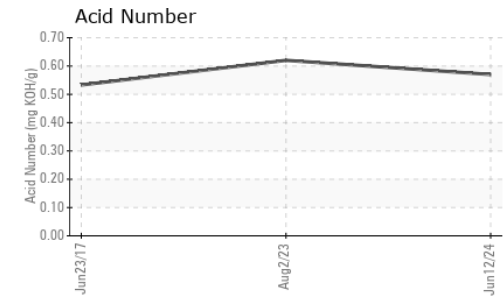
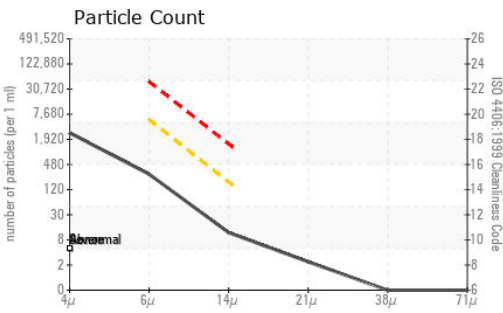
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>20	6	7	6
Potassium	ppm	ASTM D5185m	>20	0	<1	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647		2401	16293	4371
Particles >6µm		ASTM D7647	>5000	247	5040	787
Particles >14µm		ASTM D7647	>160	10	478	80
Particles >21µm		ASTM D7647	>40	2	102	25
Particles >38µm		ASTM D7647	>10	0	3	3
Particles >71µm		ASTM D7647	>3	0	1	2
Oil Cleanliness		ISO 4406 (c)	>-/19/14	18/15/10	21/20/16	19/17/13
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
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	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	2	1
Boron	ppm	ASTM D5185m		34	20	2
Barium	ppm	ASTM D5185m		0	0	1
Molybdenum	ppm	ASTM D5185m		2	3	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		75	237	69
Calcium	ppm	ASTM D5185m		1287	685	73
Phosphorus	ppm	ASTM D5185m		676	707	439
Zinc	ppm	ASTM D5185m		841	901	547
Sulfur	ppm	ASTM D5185m		3284	6260	6359
Acid Number (AN)	mg KOH/g	ASTM D8045		0.57	0.62	0.533
Visc @ 40°C	cSt	ASTM D445		36.7	40.0	45.52



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP440220 **Received** : 17 Jun 2024  
**Lab Number** : 06212296 **Tested** : 19 Jun 2024  
**Unique Number** : 11085160 **Diagnosed** : 19 Jun 2024 - Wes Davis  
**Test Package** : MOB 2

**OCEAN COUNTY LANDFILL**  
 PO BOX 207  
 BELLFORD, NJ  
 US 07718  
 Contact: SERVICE MANAGER

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)

T: (732)787-0226

F: (732)495-6225