



# VOLVO

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL



Machine Id  
**VOLVO ECR305CL 00110439**

Component  
**Hydraulic System**

Fluid  
**{not provided} (--- GAL)**

### RECOMMENDATION

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP437982	---	---
Sample Date		Client Info		10 Jan 2024	---	---
Machine Age	hrs	Client Info		5085	---	---
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				ATTENTION	---	---

### WEAR

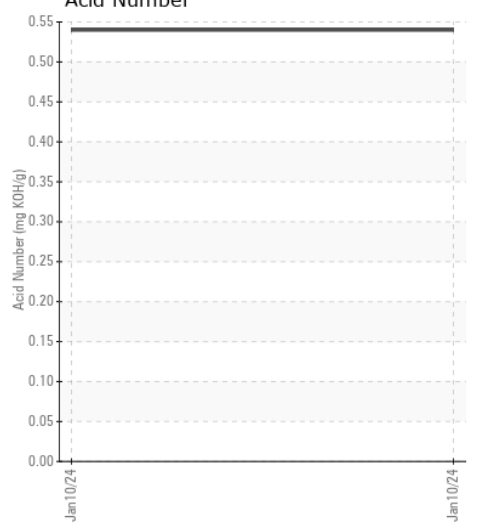
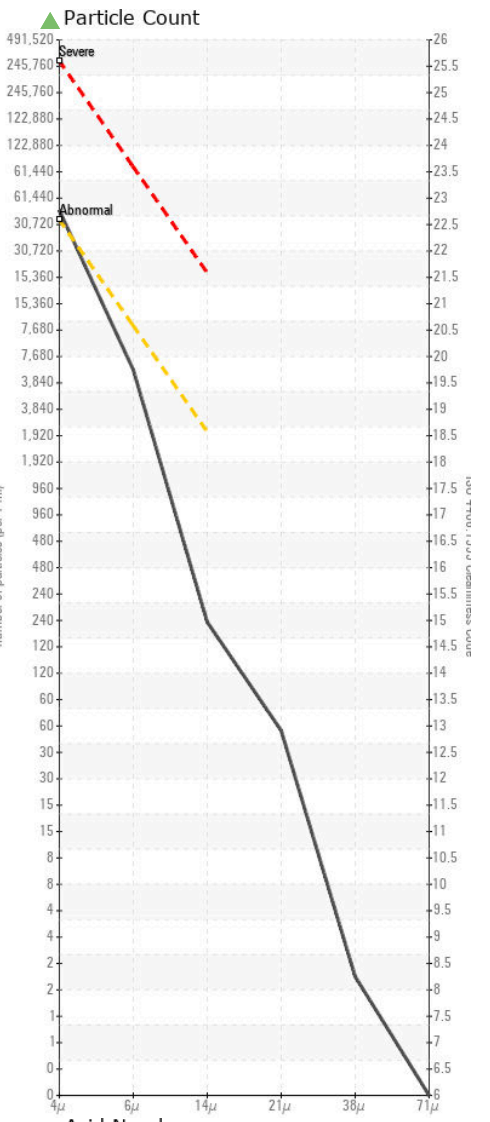
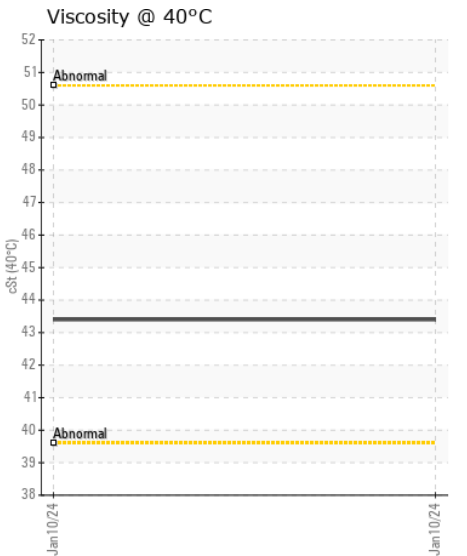
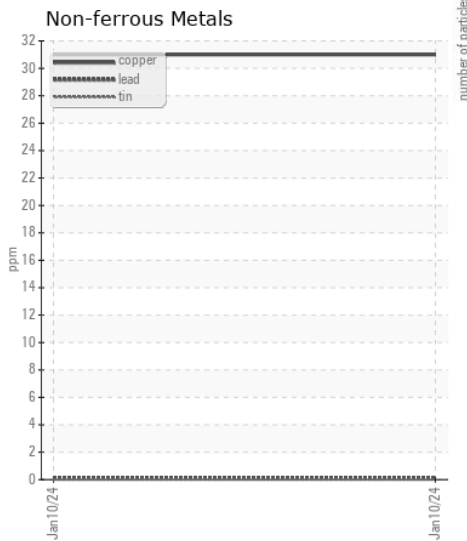
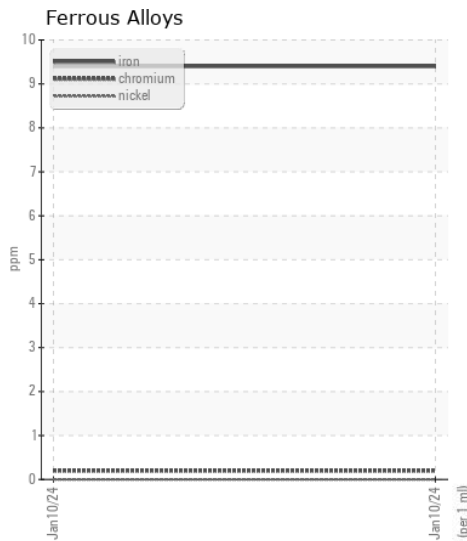
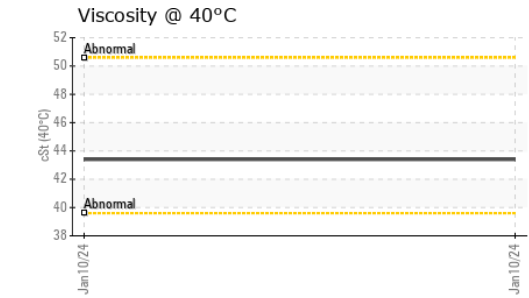
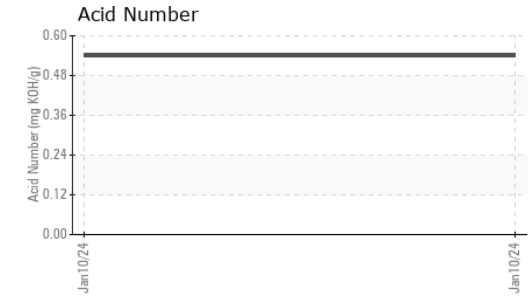
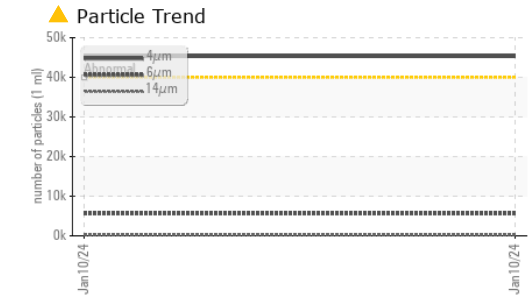
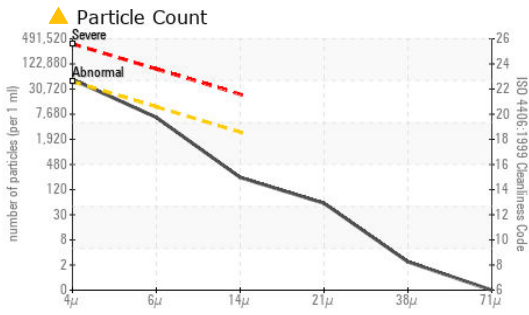
Iron	ppm	ASTM D5185m	>25	9	---	---
Chromium	ppm	ASTM D5185m	>10	<1	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>20	2	---	---
Lead	ppm	ASTM D5185m	>20	<1	---	---
Copper	ppm	ASTM D5185m	>150	31	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

### CONTAMINATION

Silicon	ppm	ASTM D5185m	>50	7	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water		WC Method	>0.1	NEG	---	---
Particles >4µm		ASTM D7647	>40000	▲ 45297	---	---
Particles >6µm		ASTM D7647	>10000	5619	---	---
Particles >14µm		ASTM D7647	>2500	207	---	---
Particles >21µm		ASTM D7647	>640	50	---	---
Particles >38µm		ASTM D7647	>160	2	---	---
Particles >71µm		ASTM D7647	>40	0	---	---
Oil Cleanliness		ISO 4406 (c)	>22/20/18	▲ 23/20/15	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
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	>0.1	NEG	---	---

### FLUID CONDITION

Sodium	ppm	ASTM D5185m		0	---	---
Boron	ppm	ASTM D5185m		2	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		2	---	---
Manganese	ppm	ASTM D5185m		0	---	---
Magnesium	ppm	ASTM D5185m		20	---	---
Calcium	ppm	ASTM D5185m		447	---	---
Phosphorus	ppm	ASTM D5185m		506	---	---
Zinc	ppm	ASTM D5185m		577	---	---
Sulfur	ppm	ASTM D5185m		1794	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.54	---	---
Visc @ 40°C	cSt	ASTM D445		43.4	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP437982 **Received** : 12 Jan 2024  
**Lab Number** : 06060180 **Diagnosed** : 16 Jan 2024  
**Unique Number** : 10831562 **Diagnostician** : Jonathan Hester  
**Test Package** : MOB 2

**SCOTT EQUIPMENT COMPANY LLC - Saint Rose**  
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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)