



# VOLVO

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Machine Id  
**VOLVO EC480 311142**  
Component  
**Swing Drive**  
Fluid  
**GEAR OIL SAE 85W140 (--- GAL)**

### RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP443780	---	---
Sample Date		Client Info		23 Apr 2024	---	---
Machine Age	hrs	Client Info		6042	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1200	735	---	---
Chromium	ppm	ASTM D5185m	>10	8	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	1	---	---
Lead	ppm	ASTM D5185m	>50	0	---	---
Copper	ppm	ASTM D5185m	>50	19	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

### CONTAMINATION

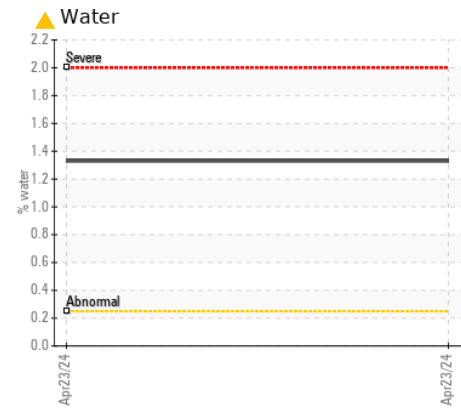
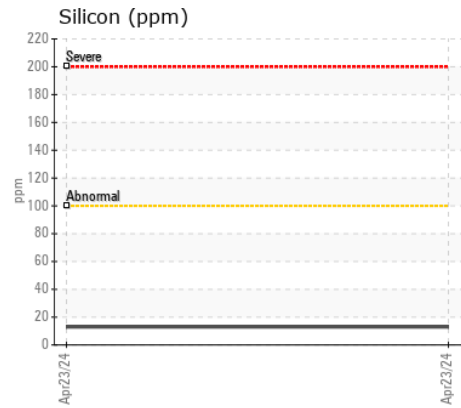
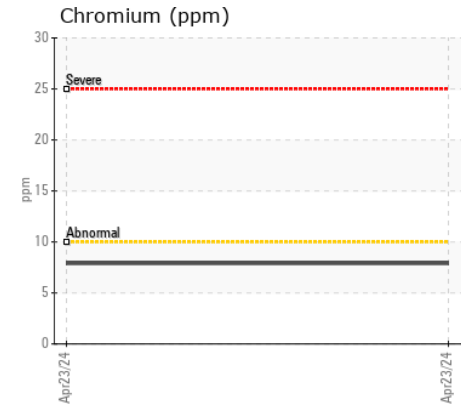
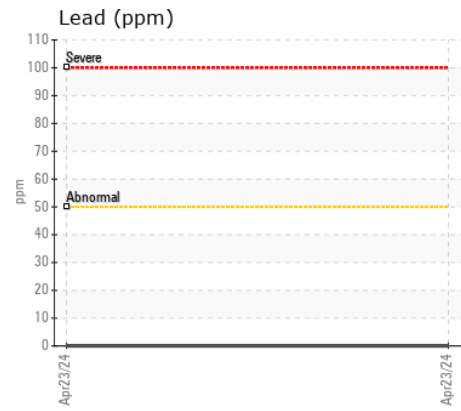
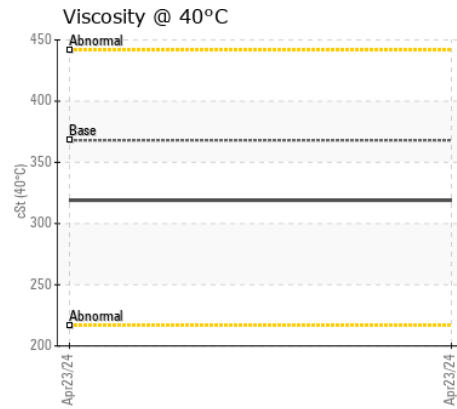
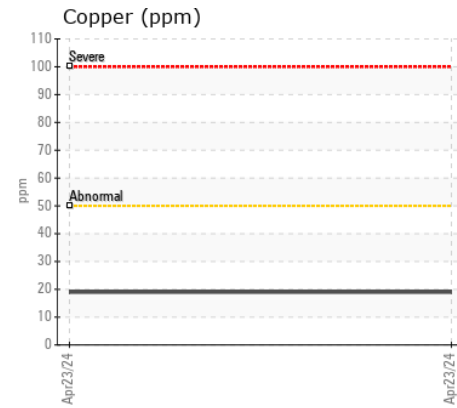
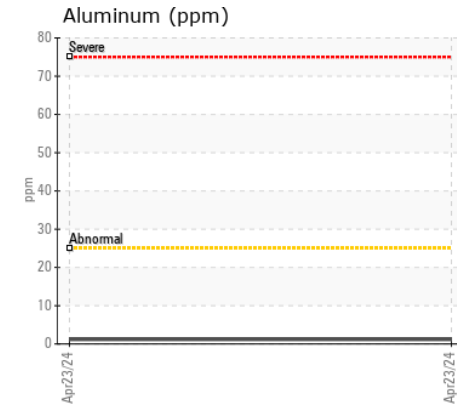
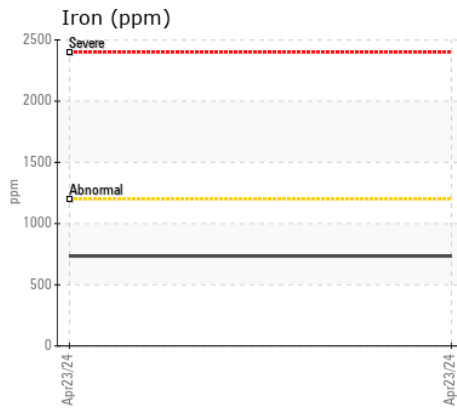
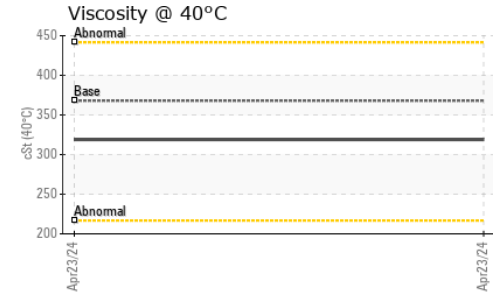
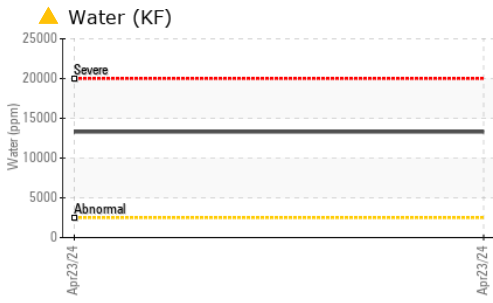
Appearance is milky. There is a high concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>100	13	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water	%	ASTM D6304	>0.25	▲ 1.33	---	---
ppm Water	ppm	ASTM D6304	>2500	▲ 13300	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	● MILKY	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.25	0.2%	---	---

### FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		0	---	---
Boron	ppm	ASTM D5185m	400	239	---	---
Barium	ppm	ASTM D5185m	200	0	---	---
Molybdenum	ppm	ASTM D5185m	12	3	---	---
Manganese	ppm	ASTM D5185m		7	---	---
Magnesium	ppm	ASTM D5185m	12	20	---	---
Calcium	ppm	ASTM D5185m	150	45	---	---
Phosphorus	ppm	ASTM D5185m	1650	1078	---	---
Zinc	ppm	ASTM D5185m	125	70	---	---
Sulfur	ppm	ASTM D5185m	22500	31782	---	---
Visc @ 40°C	cSt	ASTM D445	368	319	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP443780 **Received** : 24 Apr 2024  
**Lab Number** : 06159430 **Tested** : 25 Apr 2024  
**Unique Number** : 10994853 **Diagnosed** : 26 Apr 2024 - Jonathan Hester  
**Test Package** : MOB 1 ( Additional Tests: KF )

**ALTA EQUIPMENT/FLAGLER 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)