



# VOLVO

## OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Area  
**[139179 DOLESE]**  
 Machine Id  
**VOLVO EC220D 210447**  
 Component  
**Hydraulic System**  
 Fluid  
**{not provided} (--- GAL)**

### RECOMMENDATION

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. There is too much water present in this sample to perform a particle count.

### WEAR

All component wear rates are normal.

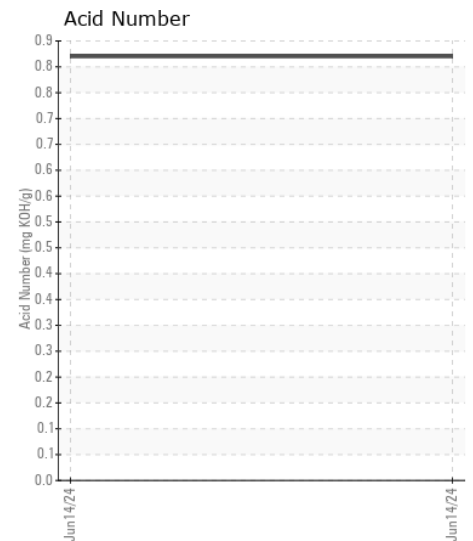
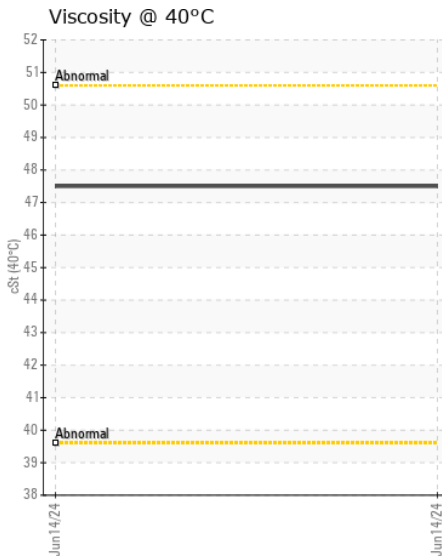
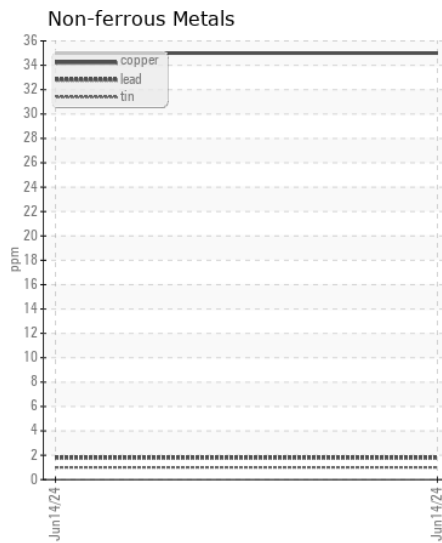
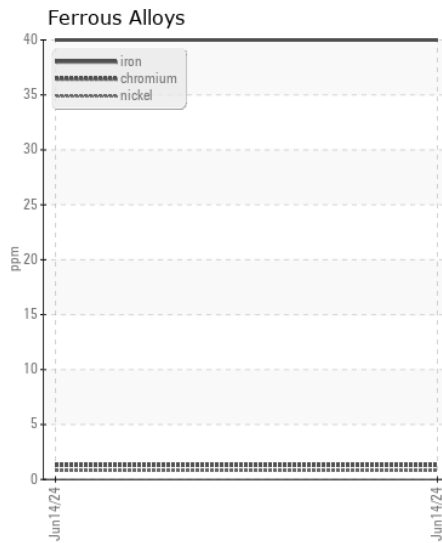
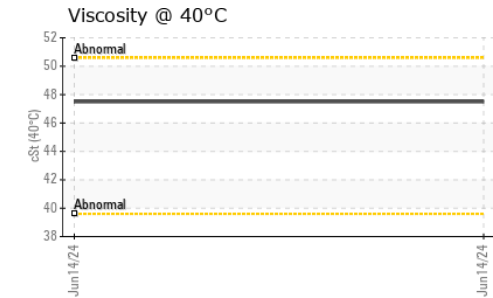
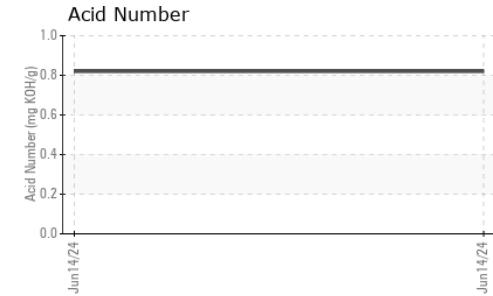
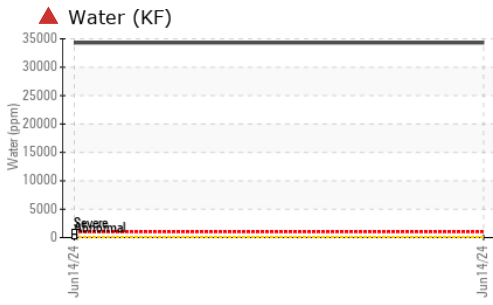
### CONTAMINATION

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

### FLUID CONDITION

The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP413747	---	---
Sample Date		Client Info		14 Jun 2024	---	---
Machine Age	hrs	Client Info		7249	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---
Iron	ppm	ASTM D5185m		40	---	---
Chromium	ppm	ASTM D5185m		1	---	---
Nickel	ppm	ASTM D5185m		<1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		7	---	---
Lead	ppm	ASTM D5185m		2	---	---
Copper	ppm	ASTM D5185m		35	---	---
Tin	ppm	ASTM D5185m		1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m		28	---	---
Potassium	ppm	ASTM D5185m	>20	3	---	---
Water	%	ASTM D6304		▲ 3.43	---	---
ppm Water	ppm	ASTM D6304		▲ 34300	---	---
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		▲ 0.2%	---	---
Sodium	ppm	ASTM D5185m		4	---	---
Boron	ppm	ASTM D5185m		11	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		2	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		27	---	---
Calcium	ppm	ASTM D5185m		2114	---	---
Phosphorus	ppm	ASTM D5185m		814	---	---
Zinc	ppm	ASTM D5185m		1014	---	---
Sulfur	ppm	ASTM D5185m		3780	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.82	---	---
Visc @ 40°C	cSt	ASTM D445		47.5	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP413747 **Received** : 17 Jun 2024  
**Lab Number** : 06211526 **Tested** : 18 Jun 2024  
**Unique Number** : 11084390 **Diagnosed** : 18 Jun 2024 - Don Baldrige  
**Test Package** : MOB 2 ( Additional Tests: KF )

**THE GW VAN KEPPEL CO**  
 1876 NORTH 105TH EAST AVENUE  
 TULSA, OK  
 US 74116

Contact: MIKE DEVORE  
 MDEVORE@VANKEPPEL.COM

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)

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