



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**Ascendum Machinery/500 Hour CSA**

Machine Id  
**VOLVO EC220E 310445**

Component  
**Swing Drive**

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

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### WEAR

All component wear rates are normal.

### CONTAMINATION

The water content is negligible. No other contaminants were detected in the oil.

### FLUID CONDITION

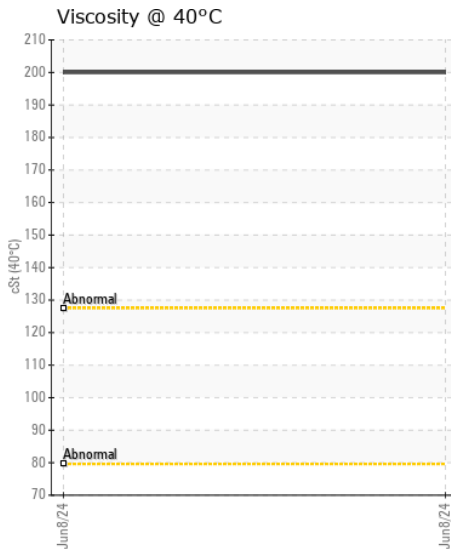
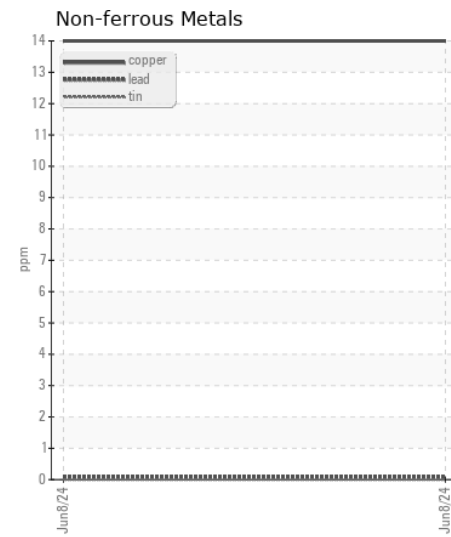
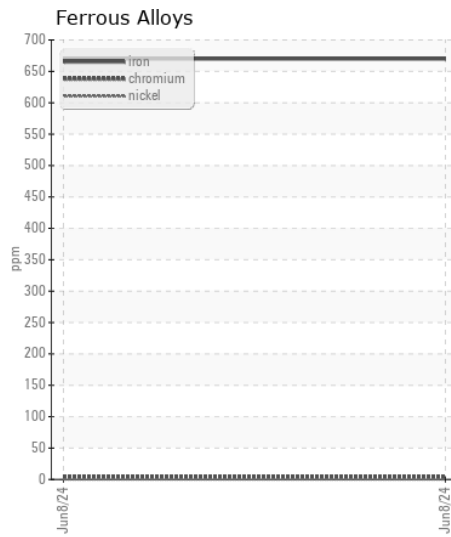
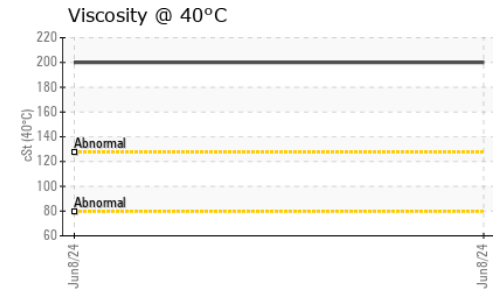
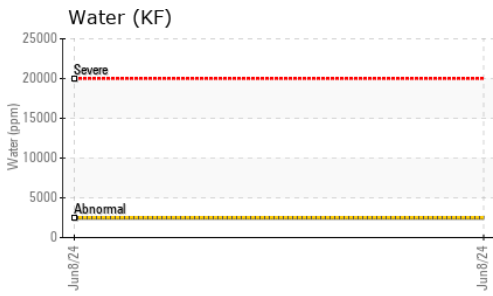
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0009533	---	---
Sample Date		Client Info		08 Jun 2024	---	---
Machine Age	hrs	Client Info		5552	---	---
Oil Age	hrs	Client Info		5552	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		None	---	---
Sample Status				NORMAL	---	---

Iron	ppm	ASTM D5185m	>1200	670	---	---
Chromium	ppm	ASTM D5185m	>10	5	---	---
Nickel	ppm	ASTM D5185m	>10	<1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	3	---	---
Lead	ppm	ASTM D5185m	>50	<1	---	---
Copper	ppm	ASTM D5185m	>50	14	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

Silicon	ppm	ASTM D5185m	>100	9	---	---
Potassium	ppm	ASTM D5185m	>20	<1	---	---
Water	%	ASTM D6304	>0.25	0.246	---	---
ppm Water	ppm	ASTM D6304	>2500	2460	---	---
Silt	scalar	*Visual	NONE	MODER	---	---
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	>0.25	0.2%	---	---

Sodium	ppm	ASTM D5185m		<1	---	---
Boron	ppm	ASTM D5185m		56	---	---
Barium	ppm	ASTM D5185m		<1	---	---
Molybdenum	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		5	---	---
Magnesium	ppm	ASTM D5185m		1	---	---
Calcium	ppm	ASTM D5185m		3	---	---
Phosphorus	ppm	ASTM D5185m		615	---	---
Zinc	ppm	ASTM D5185m		30	---	---
Sulfur	ppm	ASTM D5185m		23429	---	---
Visc @ 40°C	cSt	ASTM D445		200	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0009533 **Received** : 14 Jun 2024  
**Lab Number** : 06210540 **Tested** : 18 Jun 2024  
**Unique Number** : 11083404 **Diagnosed** : 18 Jun 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: KF )

**TRIANGLE GRADING AND PAVING INC**  
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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)