



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
VOLVO EC200E 315250
Component
Swing Drive
Fluid
VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ASC0008327	---	---
Sample Date		Client Info		10 Jul 2024	---	---
Machine Age	hrs	Client Info		987	---	---
Oil Age	hrs	Client Info		987	---	---
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	>400	163	---	---
Chromium	ppm	ASTM D5185m	>10	2	---	---
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	>200	14	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

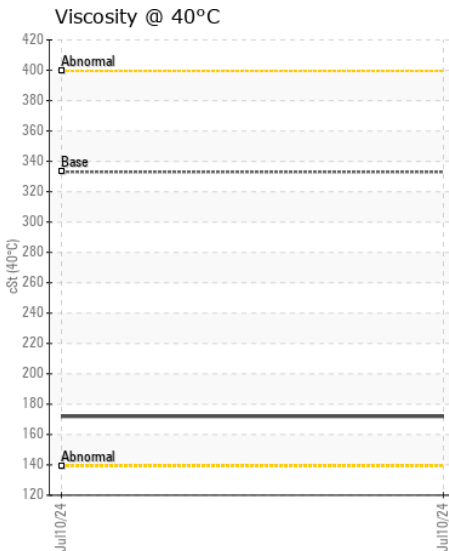
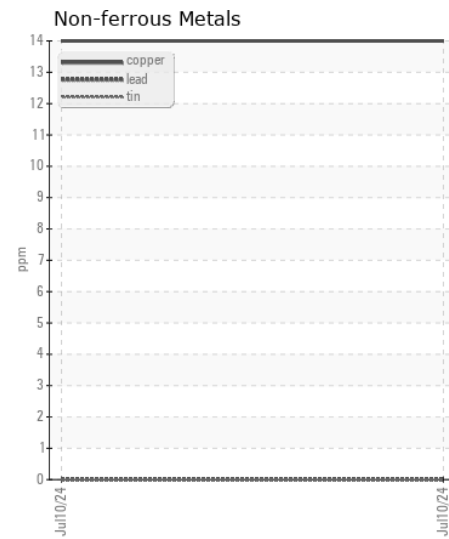
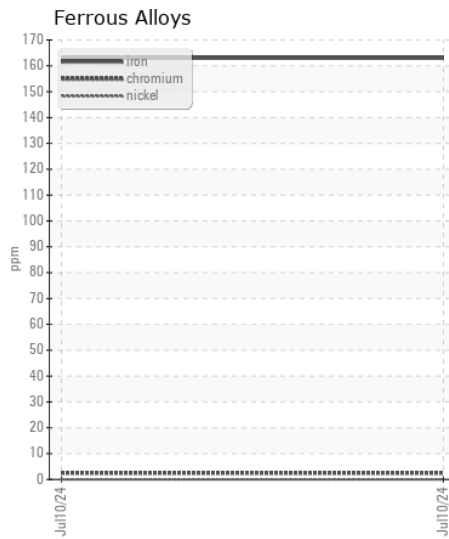
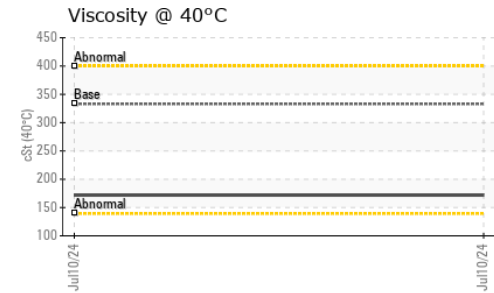
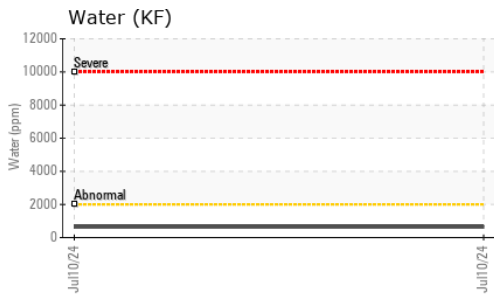
Moderate concentration of visible dirt/debris present in the oil. The water content is negligible.

Silicon	ppm	ASTM D5185m	>50	16	---	---
Potassium	ppm	ASTM D5185m	>20	1	---	---
Water	%	ASTM D6304	>0.2	0.064	---	---
ppm Water	ppm	ASTM D6304	>2000	640	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	▲ MODER	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	0.2%	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	---	---
Boron	ppm	ASTM D5185m	111	2	---	---
Barium	ppm	ASTM D5185m	0.0	0	---	---
Molybdenum	ppm	ASTM D5185m	0.9	0	---	---
Manganese	ppm	ASTM D5185m	0.0	3	---	---
Magnesium	ppm	ASTM D5185m	39	0	---	---
Calcium	ppm	ASTM D5185m	93	30	---	---
Phosphorus	ppm	ASTM D5185m	920	274	---	---
Zinc	ppm	ASTM D5185m	104	14	---	---
Sulfur	ppm	ASTM D5185m	20179	16072	---	---
Visc @ 40°C	cSt	ASTM D445	333	172	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0008327 **Received** : 15 Jul 2024
Lab Number : 06236600 **Tested** : 16 Jul 2024
Unique Number : 11125434 **Diagnosed** : 17 Jul 2024 - Sean Felton
Test Package : CONST (Additional Tests: KF)

LB PURSER GRADING LLC
 1178 BEN BLACK RD
 MIDLAND, NC
 US 28107
 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:
F: