



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION



Area
[728449]
Machine Id
VOLVO EC480 314300
Component
Front Right Final Drive
Fluid
VOLVO PREMIUM GEAR OIL 80W-90 GL-5 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP439525	---	---
Sample Date		Client Info		20 Jun 2024	---	---
Machine Age	hrs	Client Info		6215	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Not Chngd	---	---
Sample Status				ABNORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>3360	3344	---	---
Chromium	ppm	ASTM D5185m	>35	39	---	---
Nickel	ppm	ASTM D5185m	>8	3	---	---
Titanium	ppm	ASTM D5185m	>15	2	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>185	29	---	---
Lead	ppm	ASTM D5185m	>5	0	---	---
Copper	ppm	ASTM D5185m	>80	7	---	---
Tin	ppm	ASTM D5185m	>8	0	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

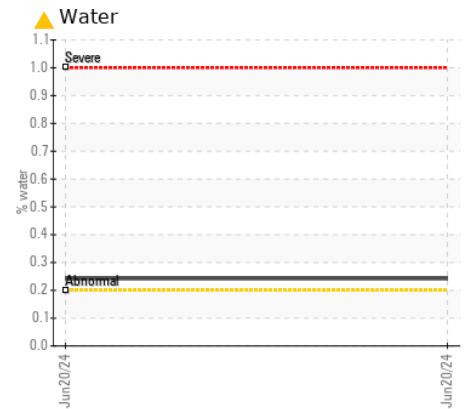
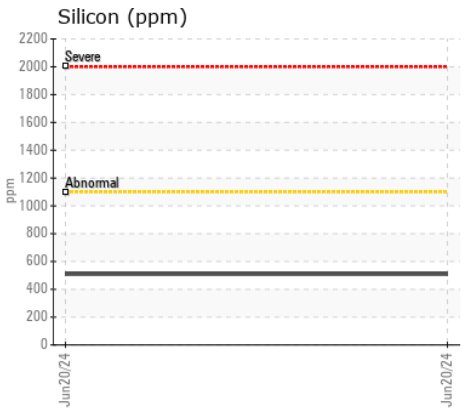
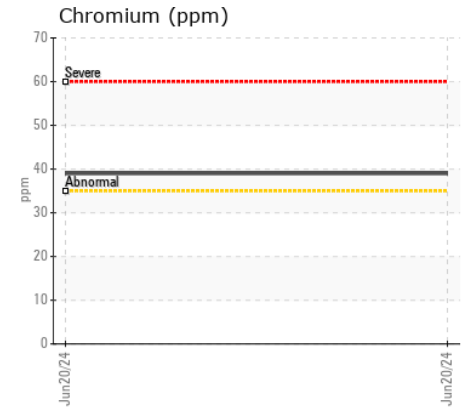
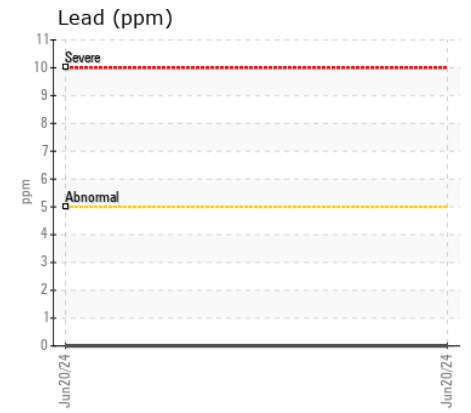
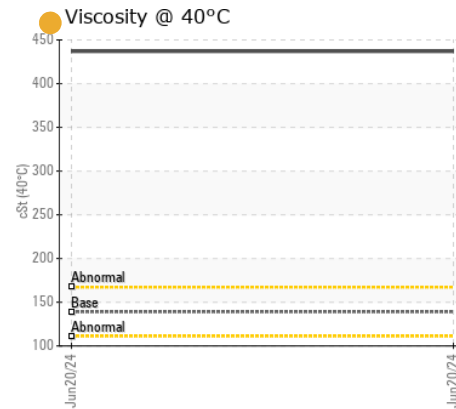
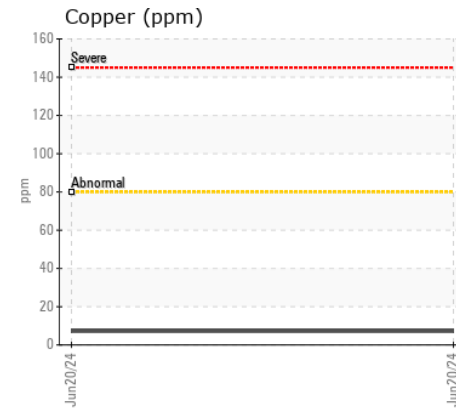
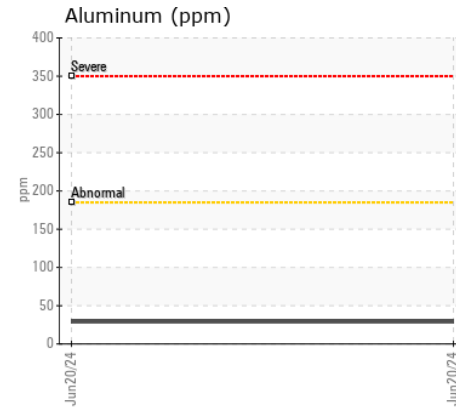
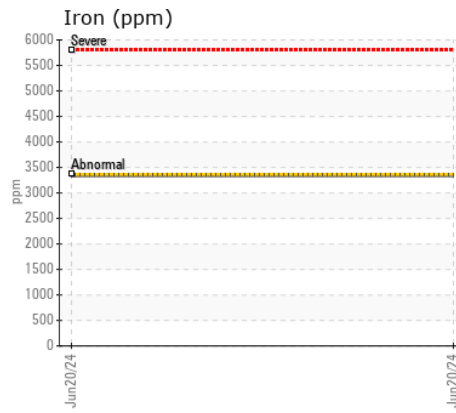
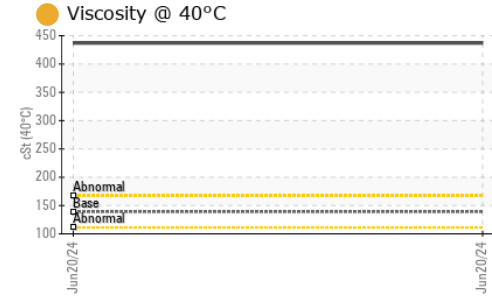
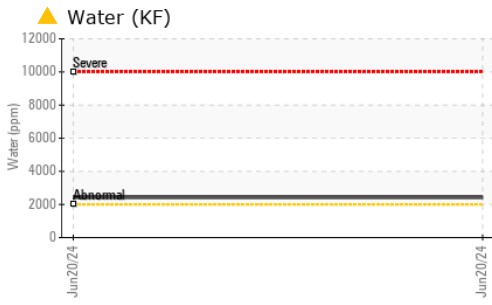
There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>1100	509	---	---
Potassium	ppm	ASTM D5185m	>20	7	---	---
Water	%	ASTM D6304	>0.2	▲ 0.242	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 2420	---	---
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	>0.2	● 0.2%	---	---

FLUID CONDITION

The oil viscosity is higher than normal.

Sodium	ppm	ASTM D5185m		6	---	---
Boron	ppm	ASTM D5185m	379	113	---	---
Barium	ppm	ASTM D5185m	0.0	2	---	---
Molybdenum	ppm	ASTM D5185m	0.8	5	---	---
Manganese	ppm	ASTM D5185m	0.0	25	---	---
Magnesium	ppm	ASTM D5185m	31	9	---	---
Calcium	ppm	ASTM D5185m	38	640	---	---
Phosphorus	ppm	ASTM D5185m	1077	822	---	---
Zinc	ppm	ASTM D5185m	46	57	---	---
Sulfur	ppm	ASTM D5185m	23526	33371	---	---
Visc @ 40°C	cSt	ASTM D445	139	● 437	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP439525 **Received** : 26 Jun 2024
Lab Number : 06221614 **Tested** : 27 Jun 2024
Unique Number : 11099811 **Diagnosed** : 28 Jun 2024 - Angela Borella
Test Package : MOB 1 (Additional Tests: KF)

FIVE STONES MINE
 MORNING STAR FARM RD
 CANAL POINT, FL
 US 33430
 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: