



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
VOLVO EC300EL 314193
Component
Slewing Gearbox
Fluid
GEAR OIL SAE 75W80 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ML0002724	---	---
Sample Date		Client Info		25 Jun 2024	---	---
Machine Age	hrs	Client Info		4326	---	---
Oil Age	hrs	Client Info		4326	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---

WEAR

Bearing and/or gear wear is indicated.

Iron	ppm	ASTM D5185m	>500	▲ 1765	---	---
Chromium	ppm	ASTM D5185m	>5	▲ 21	---	---
Nickel	ppm	ASTM D5185m	>5	1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		3	---	---
Lead	ppm	ASTM D5185m	>5	0	---	---
Copper	ppm	ASTM D5185m	>35	▲ 62	---	---
Tin	ppm	ASTM D5185m	>5	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

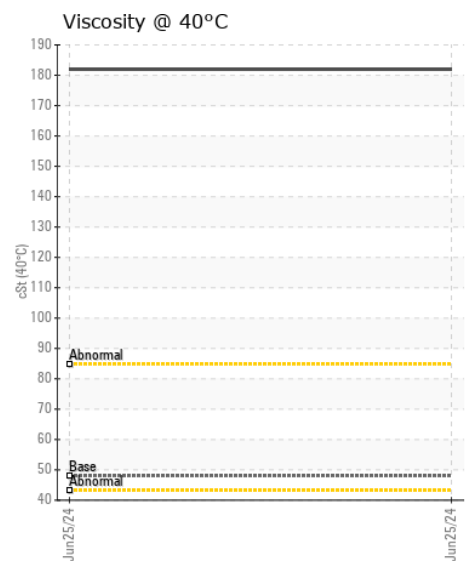
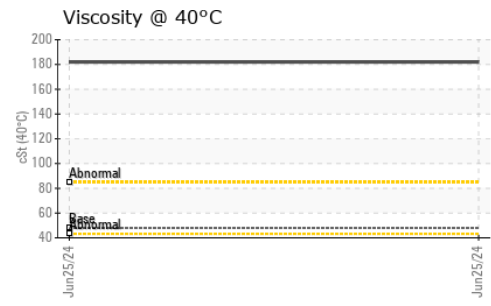
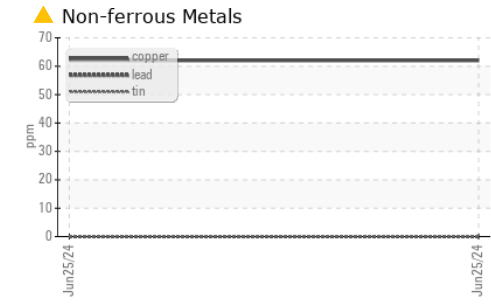
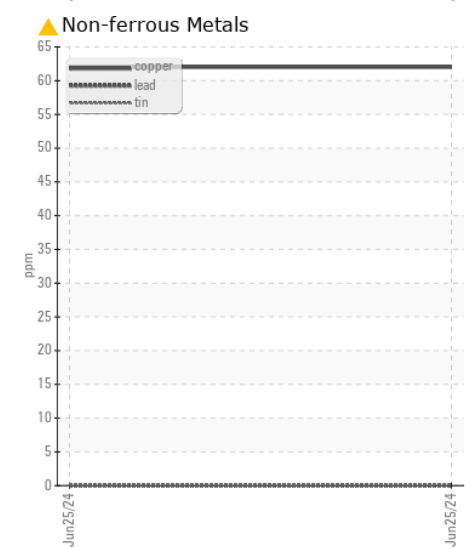
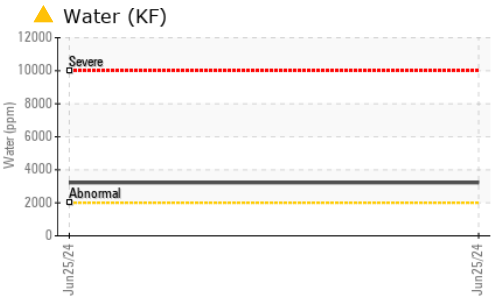
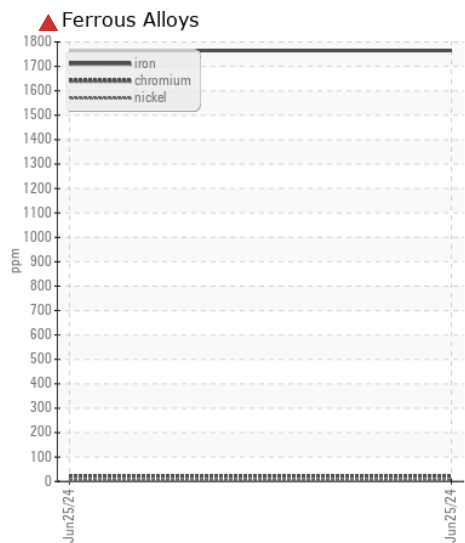
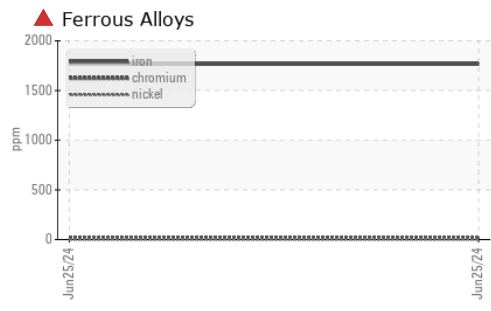
There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>25	22	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water	%	ASTM D6304	>0.2	▲ 0.322	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 3220	---	---
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	>0.2	0.2%	---	---

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185m		5	---	---
Boron	ppm	ASTM D5185m	400	2	---	---
Barium	ppm	ASTM D5185m	200	3	---	---
Molybdenum	ppm	ASTM D5185m	12	3	---	---
Manganese	ppm	ASTM D5185m		19	---	---
Magnesium	ppm	ASTM D5185m	12	4	---	---
Calcium	ppm	ASTM D5185m	150	17	---	---
Phosphorus	ppm	ASTM D5185m	1650	383	---	---
Zinc	ppm	ASTM D5185m	125	48	---	---
Sulfur	ppm	ASTM D5185m	22500	17360	---	---
Visc @ 40°C	cSt	ASTM D445	48	182	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0002724
Lab Number : 06226848
Unique Number : 11110341
Test Package : CONST (Additional Tests: KF)

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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)