



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W/O 11019]

Machine Id
VOLVO EC380E 752 (S/N 315665)

Component
Swing Drive

Fluid
VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ML0002121	ML0000020	---
Sample Date		Client Info		18 Jun 2024	15 Feb 2024	---
Machine Age	hrs	Client Info		1020	506	---
Oil Age	hrs	Client Info		514	506	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1200	269	705	---
Chromium	ppm	ASTM D5185m	>10	3	10	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>25	<1	1	---
Lead	ppm	ASTM D5185m	>50	<1	0	---
Copper	ppm	ASTM D5185m	>50	13	37	---
Tin	ppm	ASTM D5185m	>10	0	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

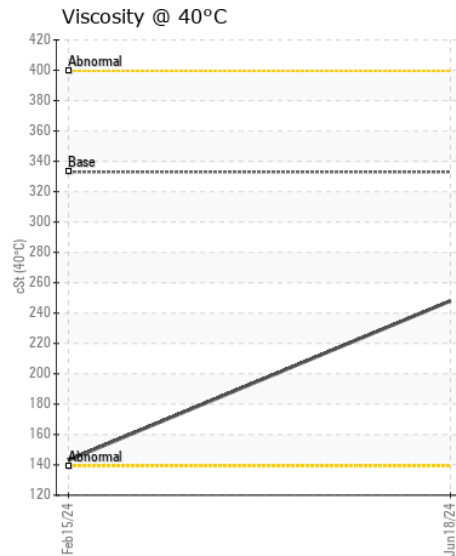
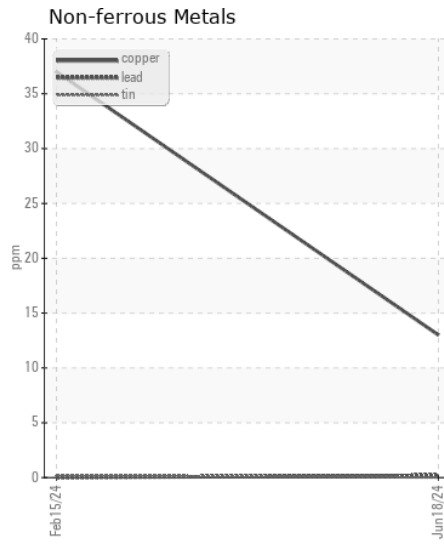
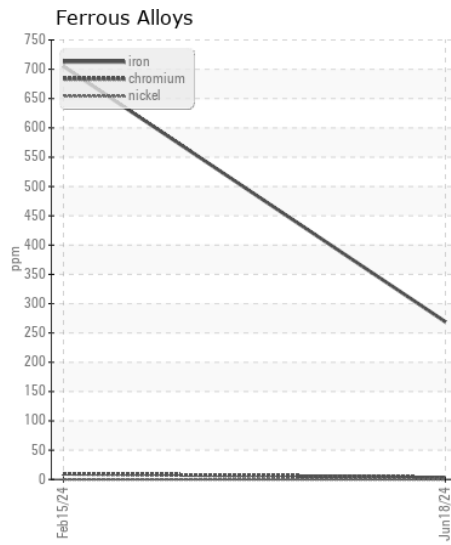
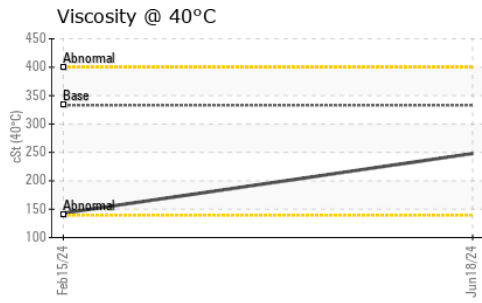
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>100	6	14	---
Potassium	ppm	ASTM D5185m	>20	3	0	---
Water		WC Method	>0.25	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.25	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		5	2	---
Boron	ppm	ASTM D5185m	111	107	0	---
Barium	ppm	ASTM D5185m	0.0	2	0	---
Molybdenum	ppm	ASTM D5185m	0.9	0	0	---
Manganese	ppm	ASTM D5185m	0.0	4	9	---
Magnesium	ppm	ASTM D5185m	39	1	0	---
Calcium	ppm	ASTM D5185m	93	73	0	---
Phosphorus	ppm	ASTM D5185m	920	789	275	---
Zinc	ppm	ASTM D5185m	104	47	17	---
Sulfur	ppm	ASTM D5185m	20179	19352	13575	---
Visc @ 40°C	cSt	ASTM D445	333	248	143	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : ML0002121

Lab Number : 06222897

Unique Number : 11101094

Test Package : CONST

Received : 27 Jun 2024

Tested : 28 Jun 2024

Diagnosed : 30 Jun 2024 - Don Baldrige

GAINES & CO

112 WESTMINSTER RD

REISTERSTOWN, MD

US 21136

Contact: MICHAEL GLADFELTER

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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