



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Machine Id
VOLVO G780B 38178
Component
Left Final Drive
Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

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		LH0272055	VC244973	---
Sample Date		Client Info		25 Jun 2024	12 Oct 2006	---
Machine Age	hrs	Client Info		1098	1472	---
Oil Age	hrs	Client Info		150	1472	---
Filter Age	hrs	Client Info		0	1472	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		N/A	Not Changd	---
Sample Status				ATTENTION	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	16	▲ 995	---
Chromium	ppm	ASTM D5185m	>20	<1	3	---
Nickel	ppm	ASTM D5185m	>10	<1	3	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>30	3	1	---
Lead	ppm	ASTM D5185m	>50	0	0	---
Copper	ppm	ASTM D5185m	>300	7	2	---
Tin	ppm	ASTM D5185m	>20	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

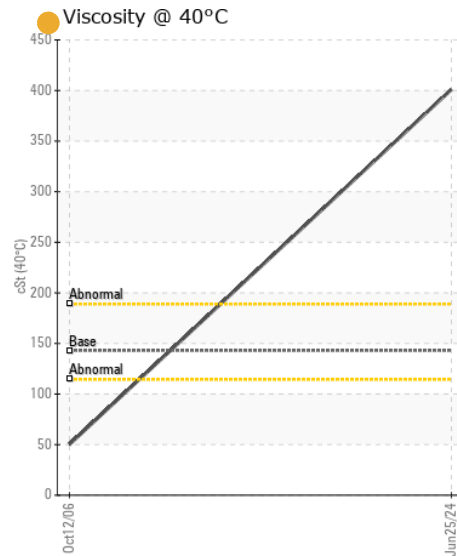
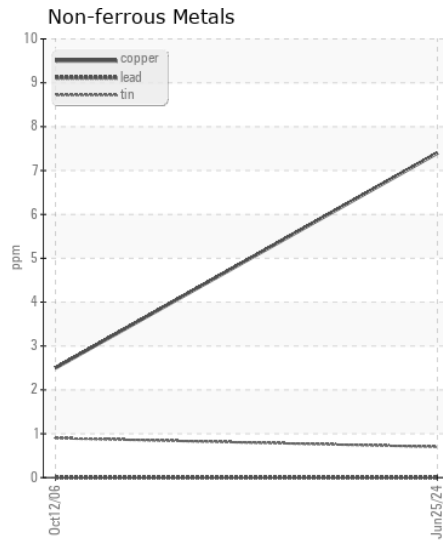
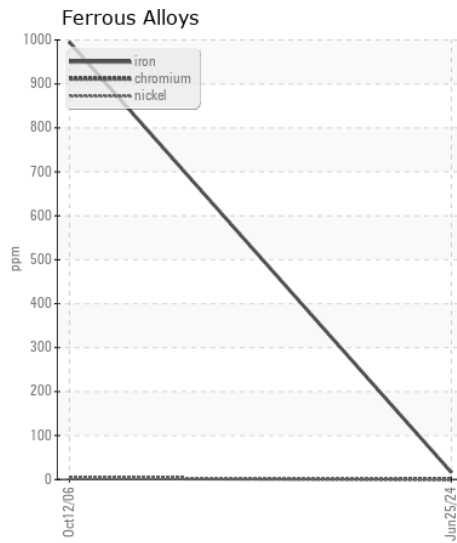
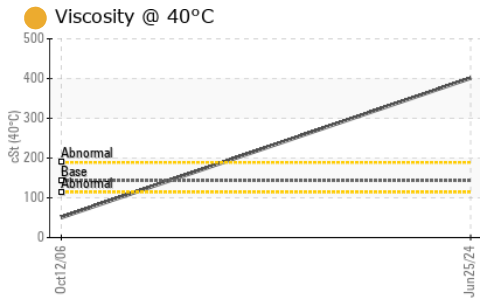
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	8	17	---
Potassium	ppm	ASTM D5185m	>20	31	0	---
Water		WC Method	>0.2	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	>0.2	NEG	NEG	---

FLUID CONDITION

The oil viscosity is higher than normal. Confirm oil type.

Sodium	ppm	ASTM D5185m	>170	0	4	---
Boron	ppm	ASTM D5185m	400	35	5	---
Barium	ppm	ASTM D5185m	200	<1	2	---
Molybdenum	ppm	ASTM D5185m	12	31	1	---
Manganese	ppm	ASTM D5185m		<1	7	---
Magnesium	ppm	ASTM D5185m	12	43	7	---
Calcium	ppm	ASTM D5185m	150	325	2577	---
Phosphorus	ppm	ASTM D5185m	1650	738	992	---
Zinc	ppm	ASTM D5185m	125	77	1054	---
Sulfur	ppm	ASTM D5185m	22500	17591	5063	---
Visc @ 40°C	cSt	ASTM D445	143	401	50.3	---



Certificate L2367

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

Sample No. : LH0272055

Lab Number : 06225422

Unique Number : 11103619

Test Package : CONST

Received : 01 Jul 2024

Tested : 02 Jul 2024

Diagnosed : 03 Jul 2024 - Jonathan Hester

R.M. OF SIGLUNES

BOX 370

ASHERN, MB

CA R0C 0E0

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)

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