



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Machine Id
VOLVO A30G A30G-302 (S/N 740188)
Component
Middle Left Hub
Fluid
MOBIL 75W90 (--- 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		TLY0002562	TLY0001765	---
Sample Date		Client Info		21 Jun 2024	27 Jun 2023	---
Machine Age	hrs	Client Info		7489	6475	---
Oil Age	hrs	Client Info		7489	1475	---
Filter Age	hrs	Client Info		7489	1475	---
Oil Changed		Client Info		Not Chngd	Not Chngd	---
Filter Changed		Client Info		Not Chngd	Not Chngd	---
Sample Status				ABNORMAL	SEVERE	---

WEAR

Gear wear is indicated.

Iron	ppm	ASTM D5185m	>200	▲ 416	▲ 411	---
Chromium	ppm	ASTM D5185m	>10	5	4	---
Nickel	ppm	ASTM D5185m	>10	6	6	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m		0	<1	---
Lead	ppm	ASTM D5185m		<1	0	---
Copper	ppm	ASTM D5185m		86	74	---
Tin	ppm	ASTM D5185m		2	2	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

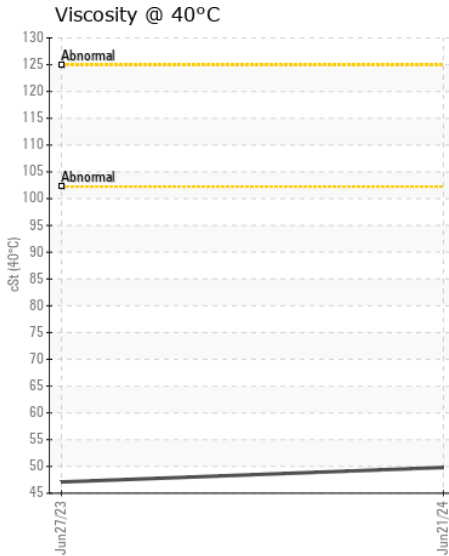
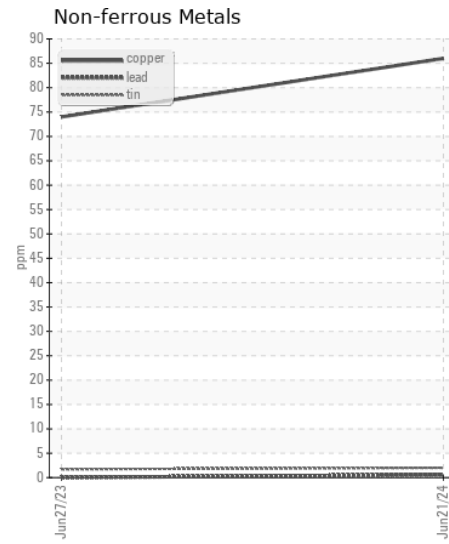
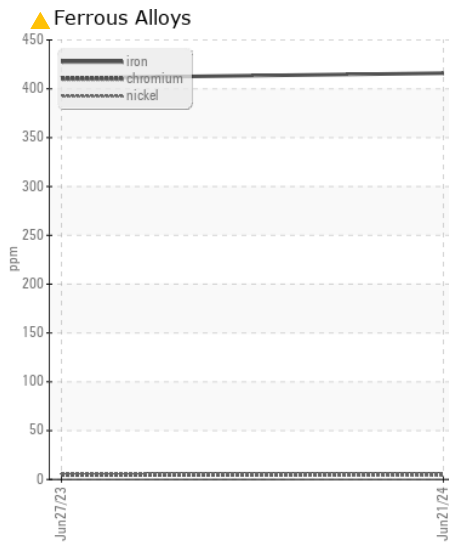
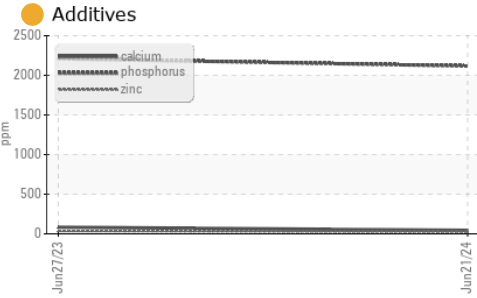
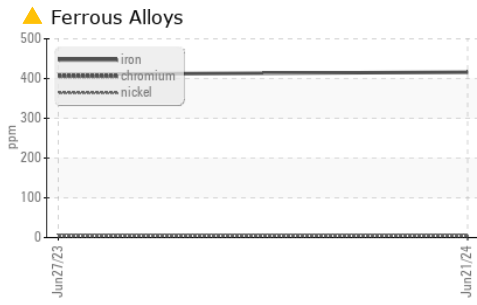
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		6	6	---
Potassium	ppm	ASTM D5185m	>20	1	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 lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		3	2	---
Boron	ppm	ASTM D5185m		105	149	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		12	11	---
Magnesium	ppm	ASTM D5185m		● 0	0	---
Calcium	ppm	ASTM D5185m		44	84	---
Phosphorus	ppm	ASTM D5185m		● 2117	● 2210	---
Zinc	ppm	ASTM D5185m		27	● 36	---
Sulfur	ppm	ASTM D5185m		29698	25056	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TLY0002562 **Received** : 26 Jun 2024
Lab Number : 06221906 **Tested** : 28 Jun 2024
Unique Number : 11100103 **Diagnosed** : 28 Jun 2024 - Jonathan Hester
Test Package : CONST

GAINES & COMPANY
 112 WESTMINSTER RD
 REISTERSTOWN, MD
 US 21136

Contact: LANCE TANCRAITOR
 ltancraitor@gainesandco.com
 T: (410)833-9833

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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