



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Machine Id  
**VOLVO A30G 753603**  
Component  
**Front Axle**  
Fluid  
**VOLVO PREMIUM GEAR OIL 80W-90 GL-5 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ML0000764	---	---
Sample Date		Client Info		05 Mar 2024	---	---
Machine Age	hrs	Client Info		577	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ATTENTION	---	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	150	---	---
Chromium	ppm	ASTM D5185m	>20	6	---	---
Nickel	ppm	ASTM D5185m	>10	1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		4	---	---
Aluminum	ppm	ASTM D5185m	>30	3	---	---
Lead	ppm	ASTM D5185m	>50	<1	---	---
Copper	ppm	ASTM D5185m	>150	12	---	---
Tin	ppm	ASTM D5185m	>20	1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

**CONTAMINATION**

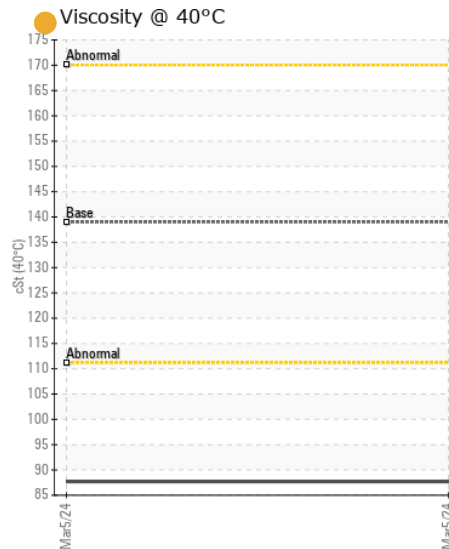
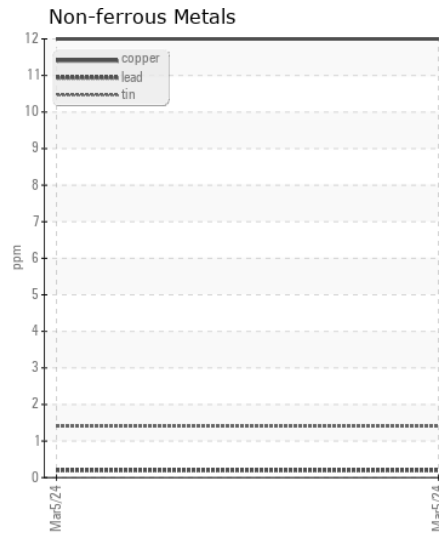
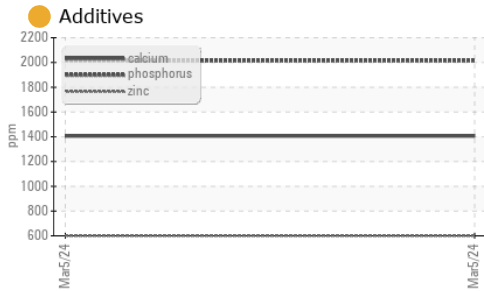
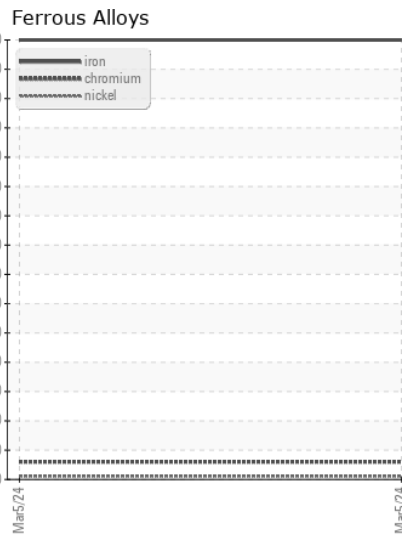
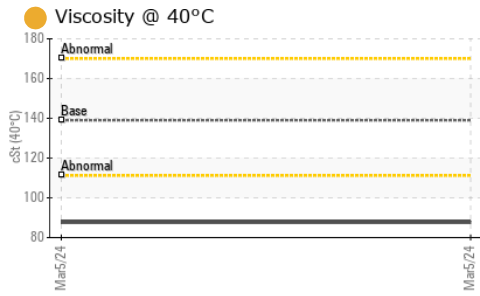
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	9	---	---
Potassium	ppm	ASTM D5185m	>20	6	---	---
Water		WC Method	>0.2	NEG	---	---
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	NEG	---	---

**FLUID CONDITION**

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		2	---	---
Boron	ppm	ASTM D5185m	379	421	---	---
Barium	ppm	ASTM D5185m	0.0	5	---	---
Molybdenum	ppm	ASTM D5185m	0.8	10	---	---
Manganese	ppm	ASTM D5185m	0.0	13	---	---
Magnesium	ppm	ASTM D5185m	31	7	---	---
Calcium	ppm	ASTM D5185m	38	1406	---	---
Phosphorus	ppm	ASTM D5185m	1077	2015	---	---
Zinc	ppm	ASTM D5185m	46	601	---	---
Sulfur	ppm	ASTM D5185m	23526	26986	---	---
Visc @ 40°C	cSt	ASTM D445	139	87.7	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ML0000764  
**Lab Number** : 06123263  
**Unique Number** : 10937414  
**Test Package** : CONST

**Received** : 19 Mar 2024  
**Tested** : 20 Mar 2024  
**Diagnosed** : 22 Mar 2024 - Sean Felton

**MCCLUNG-LOGAN EQUIPMENT CO - CHESAPEAKE**  
 4112 HOLLAND BLVD  
 CHESAPEAKE, VA  
 US 23323

Contact: TOMMY GRIFFIN  
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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)

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