



ASCENDUM

OIL ANALYSIS REPORT

WEAR

ABNORMAL

CONTAMINATION

NORMAL

FLUID CONDITION

NORMAL



Area

Indian Trail, NC #803

Machine Id

VOLVO L30G L30GS3224649

Component

Front Axle

Fluid

VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- 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		ASC0009607	ASC0007441	---
Sample Date		Client Info		22 May 2024	08 Feb 2024	---
Machine Age	hrs	Client Info		4041	3580	---
Oil Age	hrs	Client Info		4041	3580	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		N/A	None	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

Gear wear is indicated.

Iron	ppm	ASTM D5185m	>500	▲ 746	▲ 668	---
Chromium	ppm	ASTM D5185m	>20	8	7	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>30	0	<1	---
Lead	ppm	ASTM D5185m	>50	0	0	---
Copper	ppm	ASTM D5185m	>120	1	<1	---
Tin	ppm	ASTM D5185m	>20	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

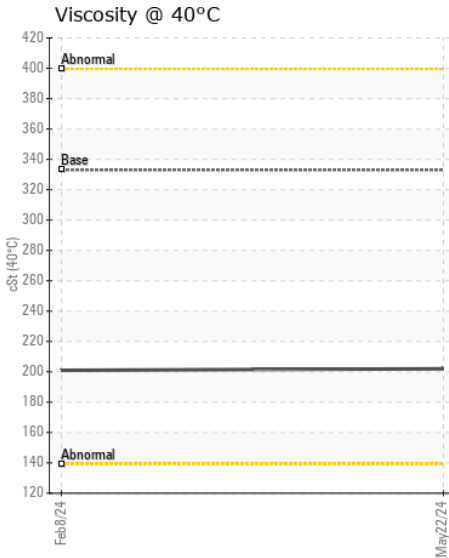
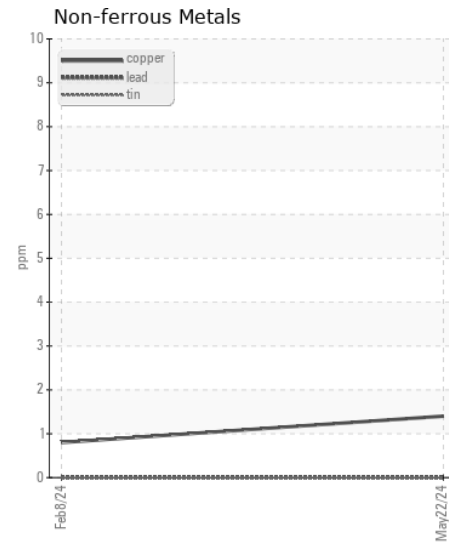
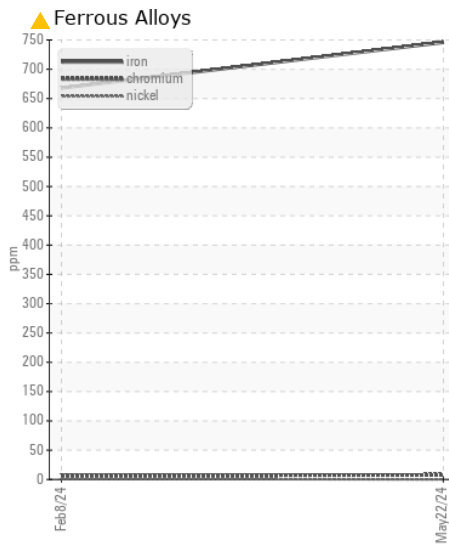
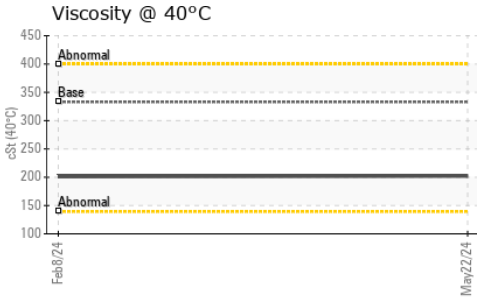
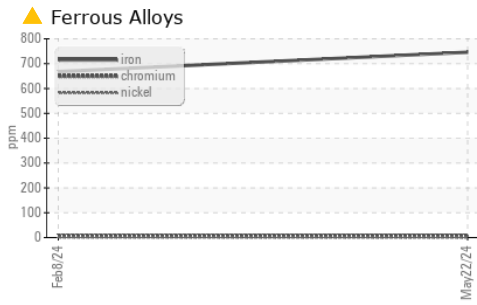
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	29	27	---
Potassium	ppm	ASTM D5185m	>20	0	<1	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	MODER	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	▲ 0.2%	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	3	---
Boron	ppm	ASTM D5185m	111	5	3	---
Barium	ppm	ASTM D5185m	0.0	2	2	---
Molybdenum	ppm	ASTM D5185m	0.9	2	0	---
Manganese	ppm	ASTM D5185m	0.0	16	15	---
Magnesium	ppm	ASTM D5185m	39	6	7	---
Calcium	ppm	ASTM D5185m	93	108	72	---
Phosphorus	ppm	ASTM D5185m	920	2411	2223	---
Zinc	ppm	ASTM D5185m	104	102	84	---
Sulfur	ppm	ASTM D5185m	20179	32870	28675	---
Visc @ 40°C	cSt	ASTM D445	333	202	201	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0009607
Lab Number : 06191383
Unique Number : 11048135
Test Package : CONST

Received : 24 May 2024
Tested : 28 May 2024
Diagnosed : 29 May 2024 - Sean Felton

SITEONE LANDSCAPE SUPPLY LLC
 300 COLONIAL CENTER PKWY, SUITE 600
 ROSWELL, GA
 US 30076
 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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