



# ASCENDUM

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**Cornelius, NC #662**  
Machine Id  
**VOLVO L30G L30GS3224581**  
Component  
**Diesel Engine**  
Fluid  
**NOT GIVEN (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ASC0000551</b>	VCP301125	---
Sample Date		Client Info		<b>09 Jul 2024</b>	27 Jan 2021	---
Machine Age	hrs	Client Info		<b>2990</b>	137	---
Oil Age	hrs	Client Info		<b>2853</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>2</b>	12	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	1	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>10	<b>&lt;1</b>	4	---
Lead	ppm	ASTM D5185m	>20	<b>0</b>	1	---
Copper	ppm	ASTM D5185m	>15	<b>0</b>	13	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

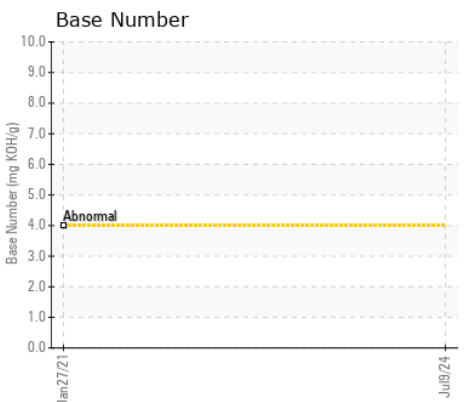
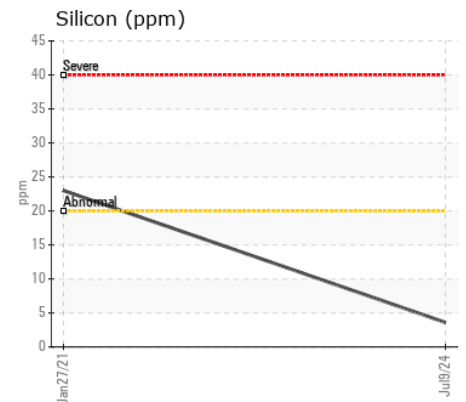
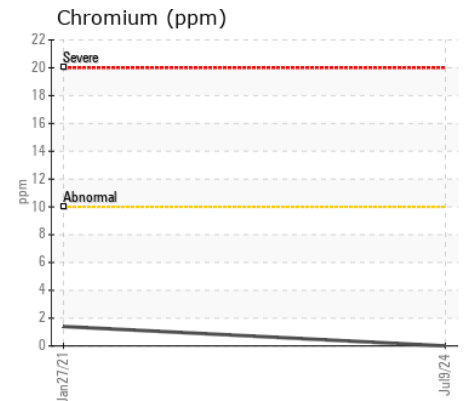
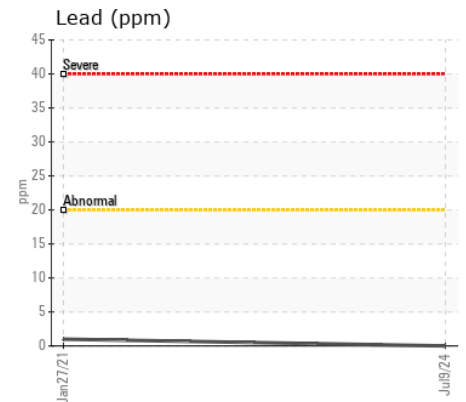
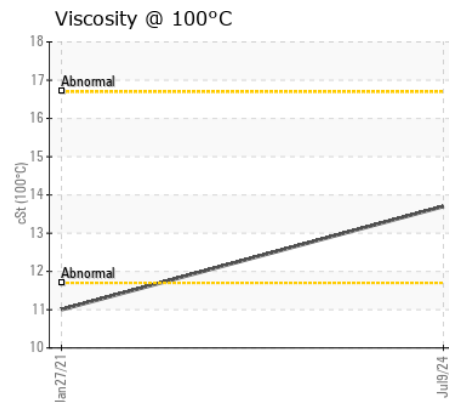
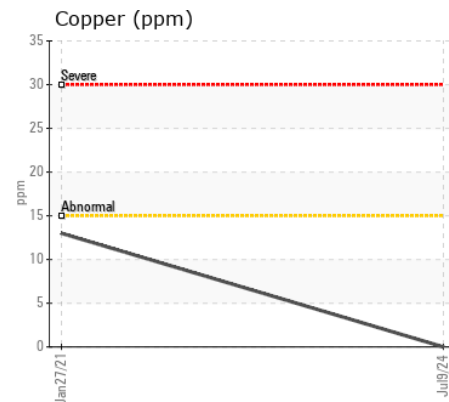
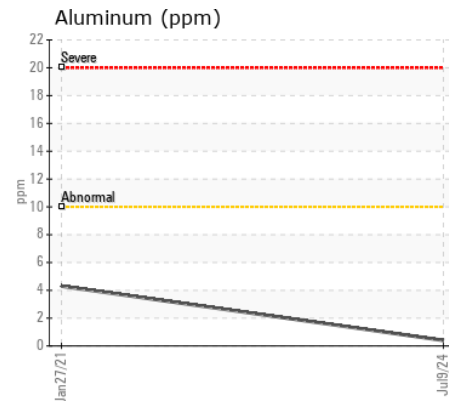
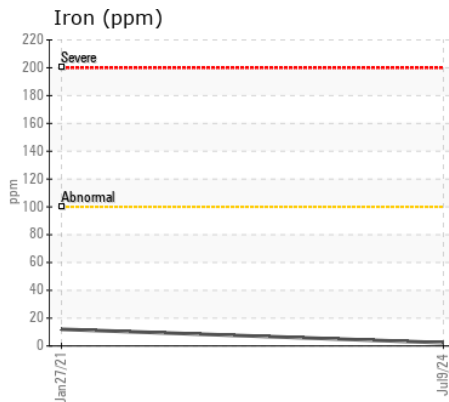
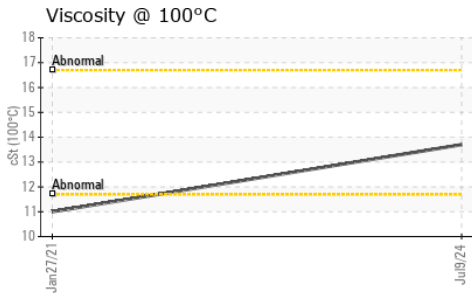
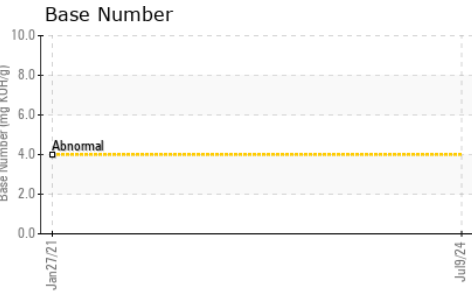
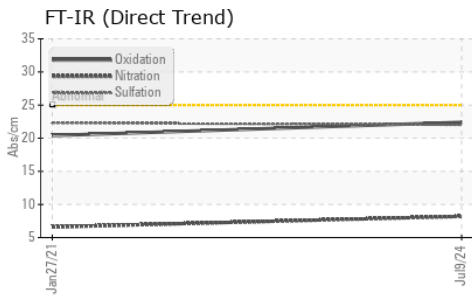
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>4</b>	23	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	3	---
Fuel		WC Method	>6.0	<b>&lt;1.0</b>	0.3	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844	>3	<b>0.1</b>	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.2</b>	6.6	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>22.0</b>	22.3	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	---

### FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>3</b>	5	---
Boron	ppm	ASTM D5185m		<b>38</b>	63	---
Barium	ppm	ASTM D5185m		<b>0</b>	4	---
Molybdenum	ppm	ASTM D5185m		<b>36</b>	36	---
Manganese	ppm	ASTM D5185m		<b>0</b>	3	---
Magnesium	ppm	ASTM D5185m		<b>549</b>	496	---
Calcium	ppm	ASTM D5185m		<b>1769</b>	2094	---
Phosphorus	ppm	ASTM D5185m		<b>843</b>	1005	---
Zinc	ppm	ASTM D5185m		<b>1002</b>	1143	---
Sulfur	ppm	ASTM D5185m		<b>3124</b>	3114	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>22.4</b>	20.4	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>9.7</b>	---	---
Visc @ 100°C	cSt	ASTM D445		<b>13.7</b>	11.0	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0000551  
**Lab Number** : 06232903  
**Unique Number** : 11116396  
**Test Package** : MOBCE ( Additional Tests: TBN )

**Received** : 11 Jul 2024  
**Tested** : 11 Jul 2024  
**Diagnosed** : 11 Jul 2024 - Wes Davis

**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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F: