



# ASCENDUM

## OIL ANALYSIS REPORT

WEAR

**NORMAL**

CONTAMINATION

**NORMAL**

FLUID CONDITION

**NORMAL**



Area

**Ascendum Machinery**

Machine Id

**VOLVO A30G ORT-30 (S/N A30GV752549)**

Component

**Rear Left Final Drive**

Fluid

**VOLVO SUPER GEAR OIL 75W-80-GO102 (1 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ASC0005483</b>	VCP0000552	---
Sample Date		Client Info		<b>12 Oct 2023</b>	09 Jun 2022	---
Machine Age	hrs	Client Info		<b>2594</b>	681	---
Oil Age	hrs	Client Info		<b>1913</b>	681	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Chngd</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	<b>449</b>	158	---
Chromium	ppm	ASTM D5185m	>20	<b>9</b>	5	---
Nickel	ppm	ASTM D5185m	>10	<b>6</b>	2	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>30	<b>1</b>	<1	---
Lead	ppm	ASTM D5185m	>50	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m	>150	<b>46</b>	24	---
Tin	ppm	ASTM D5185m	>20	<b>3</b>	2	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

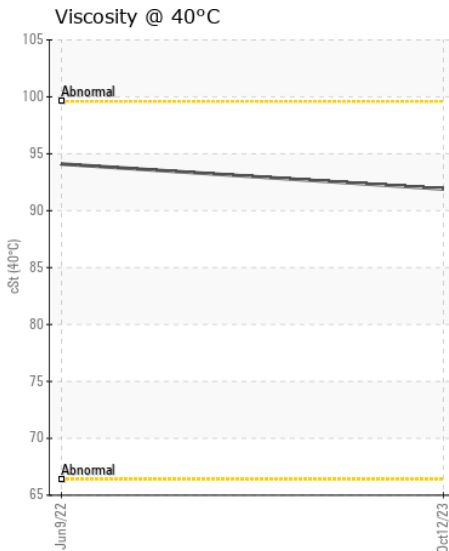
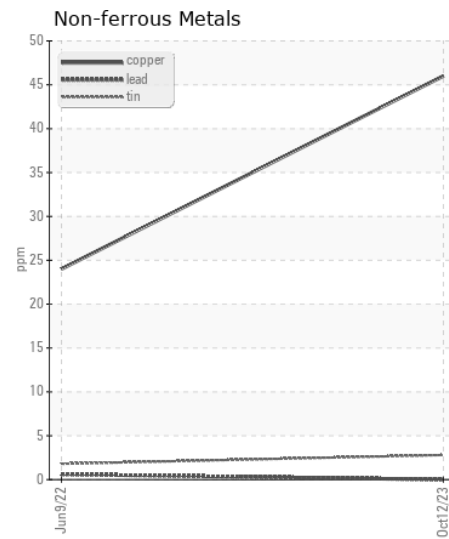
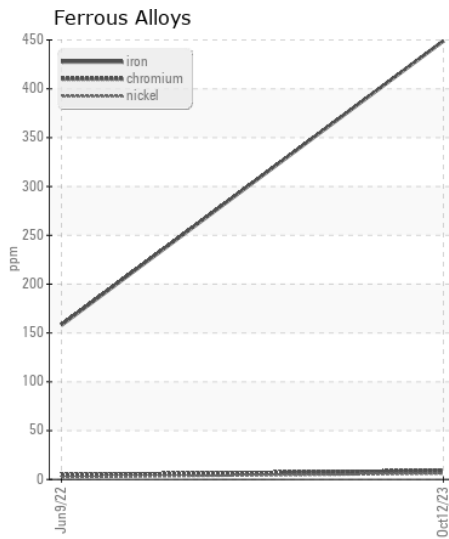
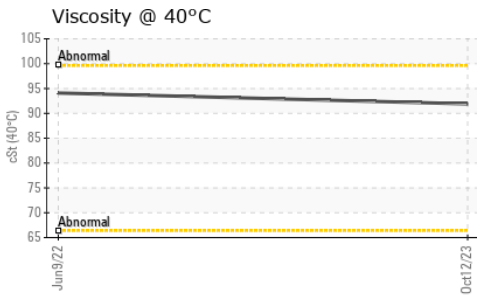
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>7</b>	4	---
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	2	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
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	>0.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>2</b>	1	---
Boron	ppm	ASTM D5185m		<b>290</b>	325	---
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>11</b>	6	---
Manganese	ppm	ASTM D5185m		<b>19</b>	11	---
Magnesium	ppm	ASTM D5185m		<b>2</b>	1	---
Calcium	ppm	ASTM D5185m		<b>753</b>	672	---
Phosphorus	ppm	ASTM D5185m		<b>1603</b>	1305	---
Zinc	ppm	ASTM D5185m		<b>376</b>	284	---
Sulfur	ppm	ASTM D5185m		<b>29569</b>	18206	---
Visc @ 40°C	cSt	ASTM D445		<b>91.9</b>	94.1	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0005483  
**Lab Number** : 05978551  
**Unique Number** : 10695846  
**Test Package** : CONST

**PEDULLA EXCAVATING & PAVING**  
 1275 SHINN FARM RD  
 MOORESVILLE, NC  
 US 28115  
 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)

T:  
F: