



# VOLVO

## OIL ANALYSIS REPORT

WEAR  
CONTAMINATION  
FLUID CONDITION

**ABNORMAL**

**MARGINAL**

**NORMAL**



Area  
**[SWA590217-20]**  
Machine Id  
**VOLVO A30G 752316**  
Component  
**Bogie/Center Axle**  
Fluid  
**{not provided} (--- GAL)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### WEAR

Gear wear is indicated. All other component wear rates are normal.

### CONTAMINATION

There is a light concentration of water present in the oil.

### FLUID CONDITION

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

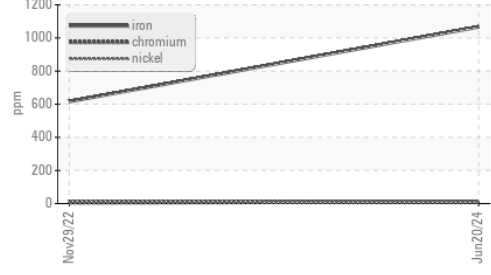
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP440047</b>	VCP379705	---
Sample Date		Client Info		<b>20 Jun 2024</b>	29 Nov 2022	---
Machine Age	hrs	Client Info		<b>3960</b>	2557	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>ABNORMAL</b>	ABNORMAL	---

Iron	ppm	ASTM D5185m	>900	<b>▲ 1066</b>	616	---
Chromium	ppm	ASTM D5185m	>20	<b>13</b>	11	---
Nickel	ppm	ASTM D5185m	>10	<b>6</b>	1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m	>30	<b>4</b>	6	---
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>150	<b>103</b>	43	---
Tin	ppm	ASTM D5185m	>20	<b>5</b>	<1	---
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	---

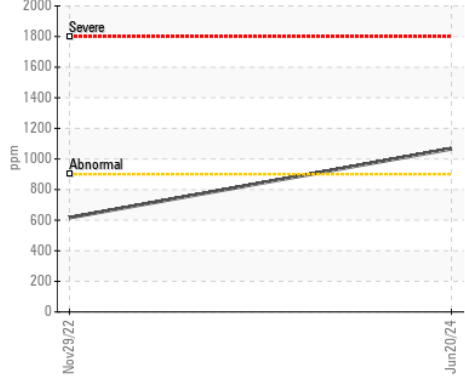
Silicon	ppm	ASTM D5185m	>50	<b>34</b>	32	---
Potassium	ppm	ASTM D5185m	>20	<b>7</b>	0	---
Water	%	ASTM D6304	>0.2	<b>▲ 0.224</b>	▲ 0.406	---
ppm Water	ppm	ASTM D6304	>2000	<b>▲ 2240</b>	▲ 4060	---
Silt	scalar	*Visual	NONE	<b>MODER</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	▲ MODER	---
Sand/Dirt	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>0.2%</b>	▲ 0.2%	---

Sodium	ppm	ASTM D5185m		<b>2</b>	0	---
Boron	ppm	ASTM D5185m		<b>134</b>	160	---
Barium	ppm	ASTM D5185m		<b>5</b>	8	---
Molybdenum	ppm	ASTM D5185m		<b>18</b>	15	---
Manganese	ppm	ASTM D5185m		<b>25</b>	25	---
Magnesium	ppm	ASTM D5185m		<b>8</b>	11	---
Calcium	ppm	ASTM D5185m		<b>735</b>	691	---
Phosphorus	ppm	ASTM D5185m		<b>1525</b>	1371	---
Zinc	ppm	ASTM D5185m		<b>390</b>	327	---
Sulfur	ppm	ASTM D5185m		<b>19396</b>	22691	---
Visc @ 40°C	cSt	ASTM D445		<b>94.3</b>	97.8	---

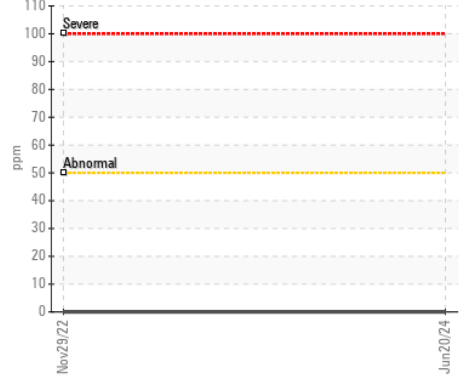
▲ Ferrous Alloys



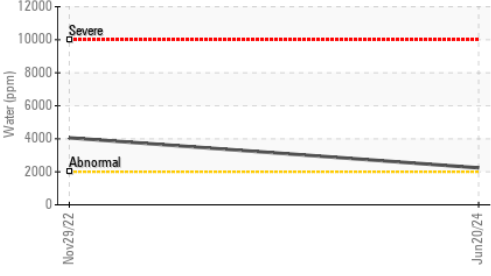
▲ Iron (ppm)



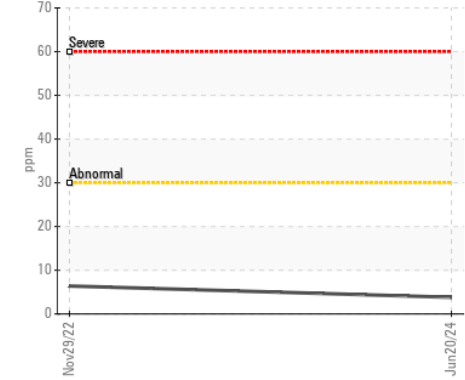
Lead (ppm)



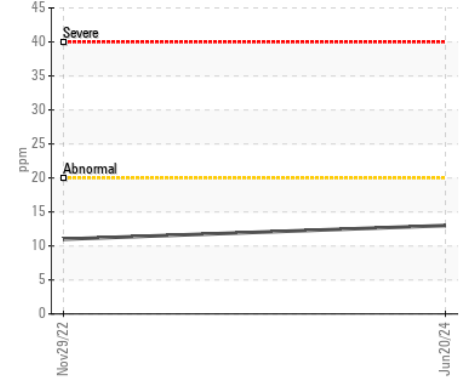
▲ Water (KF)



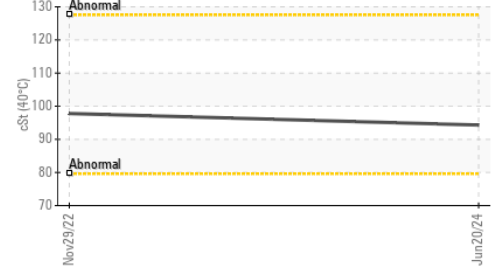
Aluminum (ppm)



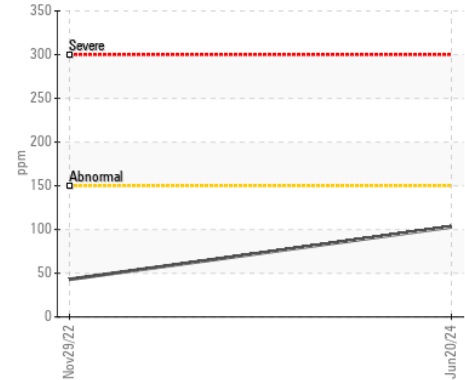
Chromium (ppm)



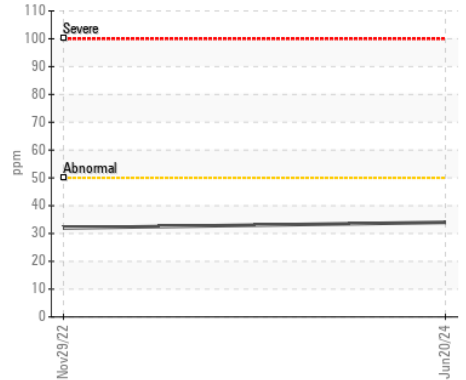
Viscosity @ 40°C



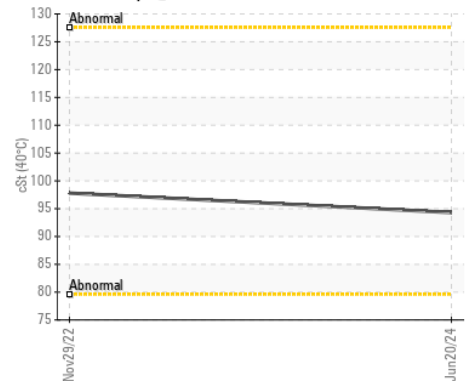
Copper (ppm)



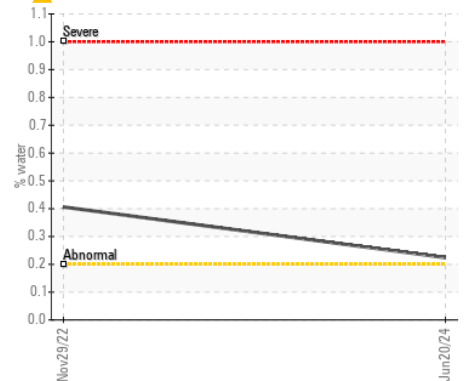
Silicon (ppm)



Viscosity @ 40°C



▲ Water



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP440047 **Received** : 02 Jul 2024  
**Lab Number** : 06226583 **Tested** : 03 Jul 2024  
**Unique Number** : 11110076 **Diagnosed** : 05 Jul 2024 - Don Baldrige  
**Test Package** : MOB 1 ( Additional Tests: KF )

**ALTA EQUIPMENT COMPANY**  
 5210 REESE ROAD  
 DAVIE, FL  
 US 33314  
 Contact: N. FACEY  
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 F: (954)583-0318

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)