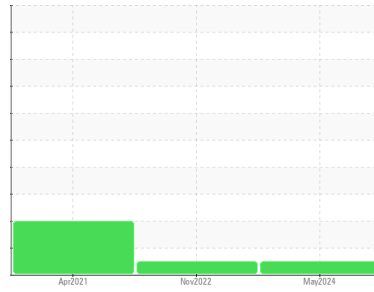


# OIL ANALYSIS REPORT

## Sample Rating Trend



Machine Id  
**VOLVO A45G 342399**  
 Component  
**Bogie/Center Axle**  
 Fluid  
**VOLVO SUPER GEAR OIL 75W-80-GO102 (--- GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

#### Fluid Condition

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

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>ML0001897</b>	VCP368487	VCP265648
Sample Date	Client Info		<b>09 May 2024</b>	29 Nov 2022	29 Apr 2021
Machine Age	hrs	Client Info	<b>7362</b>	6131	4145
Oil Age	hrs	Client Info	<b>4145</b>	2000	0
Oil Changed	Client Info		<b>Changed</b>	Not Changd	Changed
Sample Status			<b>NORMAL</b>	NORMAL	ABNORMAL

### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	NEG	NEG

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >900	<b>194</b>	107	300
Chromium	ppm	ASTM D5185m >20	<b>2</b>	2	5
Nickel	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	1
Titanium	ppm	ASTM D5185m	<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m >30	<b>0</b>	<1	3
Lead	ppm	ASTM D5185m >50	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m >150	<b>3</b>	<1	2
Tin	ppm	ASTM D5185m >20	<b>0</b>	0	<1
Antimony	ppm	ASTM D5185m >5	<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	<1

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>211</b>	254	154
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	<1	3
Manganese	ppm	ASTM D5185m	<b>5</b>	3	9
Magnesium	ppm	ASTM D5185m	<b>1</b>	3	18
Calcium	ppm	ASTM D5185m	<b>36</b>	18	113
Phosphorus	ppm	ASTM D5185m	<b>2282</b>	2203	1031
Zinc	ppm	ASTM D5185m	<b>26</b>	16	61
Sulfur	ppm	ASTM D5185m	<b>31615</b>	25056	22578

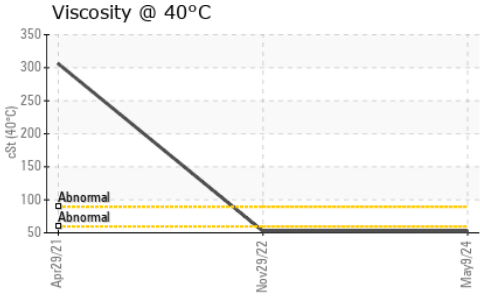
### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>4</b>	2	▲ 55
Sodium	ppm	ASTM D5185m	<b>4</b>	4	1
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	0	<1

### VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual NONE	<b>NONE</b>	LIGHT	NONE
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual >0.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

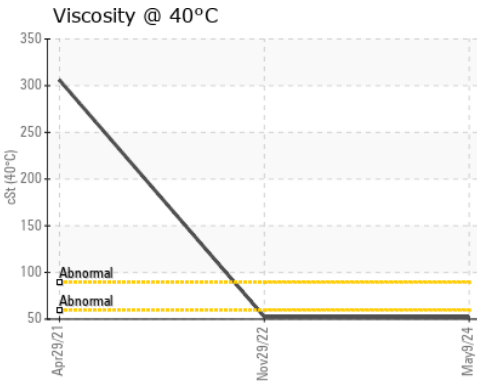
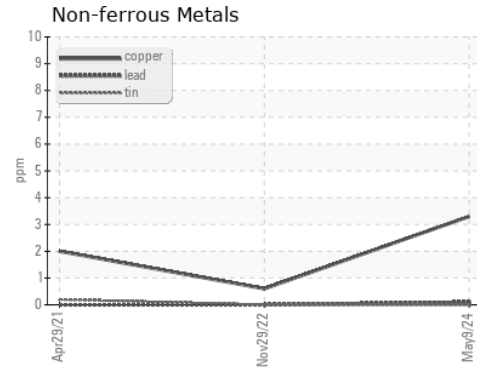
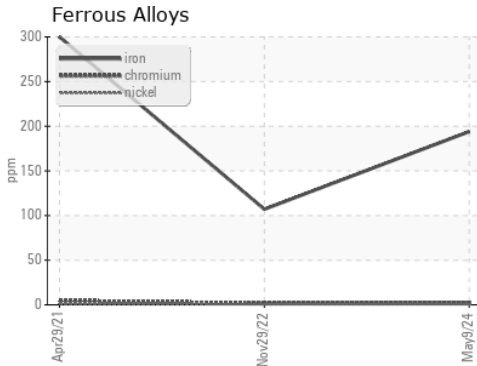
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	51.9	52.5	● 306

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ML0001897  
**Lab Number** : 06179226  
**Unique Number** : 11030552  
**Test Package** : CONST

**Received** : 14 May 2024  
**Tested** : 15 May 2024  
**Diagnosed** : 16 May 2024 - Don Baldrige

**McCLUNG-LOGAN EQUIPMENT CO - RICHMOND**  
 1345 MOUNTAIN ROAD  
 GLEN ALLEN, VA  
 US 23060  
 Contact: KYLE RATLIFF  
 KRATLIFFE@McCLUNG-LOGAN.COM

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)

F: (804)266-1611