



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**[W/O 10897]**  
 Machine Id  
**VOLVO A45G 352606**  
 Component  
**Bogie/Rear Axle**  
 Fluid  
**VOLVO SUPER GEAR OIL 75W-80-GO102 (8 GAL)**



## DIAGNOSIS

### Recommendation

The oil change at the time of sampling has been noted. 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

Confirm oil type. 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>ML0002258</b>	---	---
Sample Date	Client Info		<b>04 Jun 2024</b>	---	---
Machine Age	hrs	Client Info	<b>4115</b>	---	---
Oil Age	hrs	Client Info	<b>4115</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## CONTAMINATION

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

## WEAR METALS

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

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>208</b>	---	---
Barium	ppm	ASTM D5185m	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	<b>3</b>	---	---
Manganese	ppm	ASTM D5185m	<b>8</b>	---	---
Magnesium	ppm	ASTM D5185m	<b>14</b>	---	---
Calcium	ppm	ASTM D5185m	<b>73</b>	---	---
Phosphorus	ppm	ASTM D5185m	<b>1041</b>	---	---
Zinc	ppm	ASTM D5185m	<b>52</b>	---	---
Sulfur	ppm	ASTM D5185m	<b>27184</b>	---	---

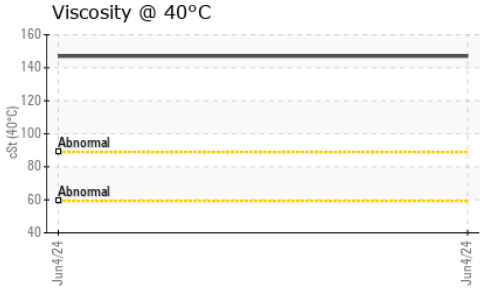
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>4</b>	---	---
Sodium	ppm	ASTM D5185m	<b>1</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>0</b>	---	---

## VISUAL

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

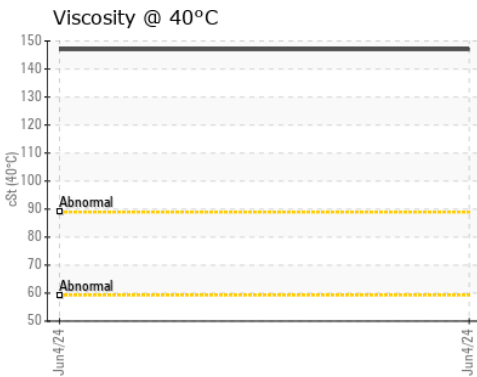
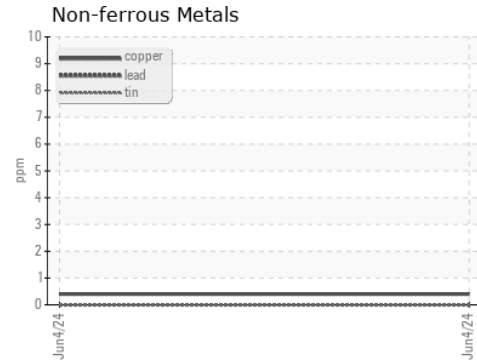
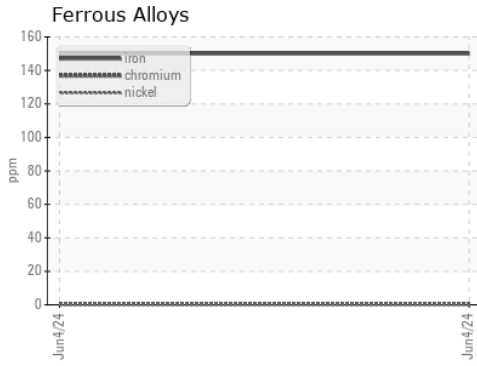
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>147</b>	---	---

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ML0002258  
**Lab Number** : 06209385  
**Unique Number** : 11076846  
**Test Package** : CONST

**MCCLUNG-LOGAN EQUIPMENT CO - BALTIMORE**  
 4601 WASHINGTON BOULEVARD  
 BALTIMORE, MD  
 US 21227  
 Contact: DELANO GREGORY  
 dgregory@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: (410)242-7835