



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

[W/O 10897]

Machine Id

**VOLVO A45G 352606**

Component

**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>ML0002257</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>178</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>222</b>	---
Barium	ppm	ASTM D5185m		<b>0</b>	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	---
Manganese	ppm	ASTM D5185m		<b>7</b>	---
Magnesium	ppm	ASTM D5185m		<b>1</b>	---
Calcium	ppm	ASTM D5185m		<b>17</b>	---
Phosphorus	ppm	ASTM D5185m		<b>1054</b>	---
Zinc	ppm	ASTM D5185m		<b>19</b>	---
Sulfur	ppm	ASTM D5185m		<b>27917</b>	---

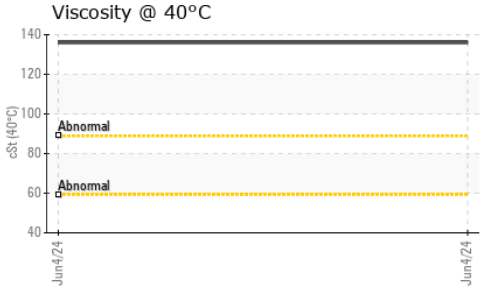
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>3</b>	---
Sodium	ppm	ASTM D5185m		<b>&lt;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>	---

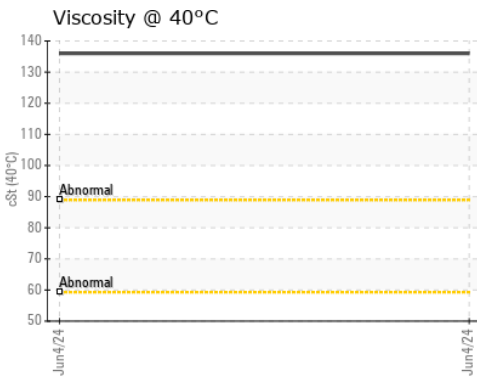
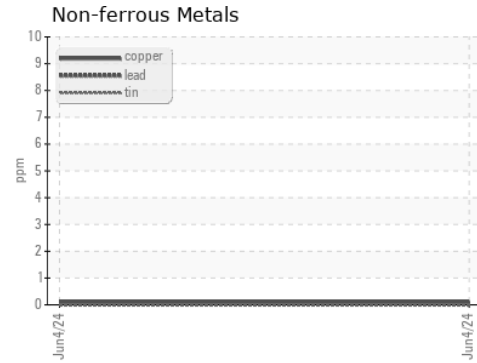
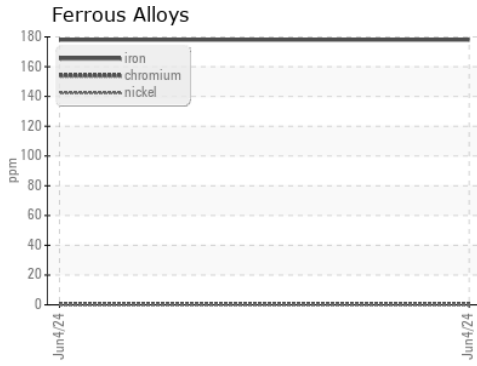
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>136</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.** : ML0002257  
**Lab Number** : 06209386  
**Unique Number** : 11076847  
**Test Package** : CONST

**Received** : 13 Jun 2024  
**Tested** : 17 Jun 2024  
**Diagnosed** : 17 Jun 2024 - Don Baldrige

**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)

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