



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**VOLVO A30D 74469**  
 Component  
**Bogie/Center Right Final Drive**  
 Fluid  
**VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: Switched to GO102 75w-80 )

### 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>ML0000948</b>	---	---
Sample Date	Client Info	<b>27 Mar 2024</b>	---	---
Machine Age	hrs Client Info	<b>7611</b>	---	---
Oil Age	hrs Client Info	<b>3300</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>101</b>	---	---
Chromium	ppm ASTM D5185m >20	<b>2</b>	---	---
Nickel	ppm ASTM D5185m >10	<b>1</b>	---	---
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Silver	ppm ASTM D5185m	<b>0</b>	---	---
Aluminum	ppm ASTM D5185m >30	<b>2</b>	---	---
Lead	ppm ASTM D5185m >50	<b>0</b>	---	---
Copper	ppm ASTM D5185m >150	<b>9</b>	---	---
Tin	ppm ASTM D5185m >20	<b>&lt;1</b>	---	---
Vanadium	ppm ASTM D5185m	<b>0</b>	---	---
Cadmium	ppm ASTM D5185m	<b>&lt;1</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 111	<b>50</b>	---	---
Barium	ppm ASTM D5185m 0.0	<b>0</b>	---	---
Molybdenum	ppm ASTM D5185m 0.9	<b>2</b>	---	---
Manganese	ppm ASTM D5185m 0.0	<b>2</b>	---	---
Magnesium	ppm ASTM D5185m 39	<b>23</b>	---	---
Calcium	ppm ASTM D5185m 93	<b>52</b>	---	---
Phosphorus	ppm ASTM D5185m 920	<b>793</b>	---	---
Zinc	ppm ASTM D5185m 104	<b>27</b>	---	---
Sulfur	ppm ASTM D5185m 20179	<b>24159</b>	---	---

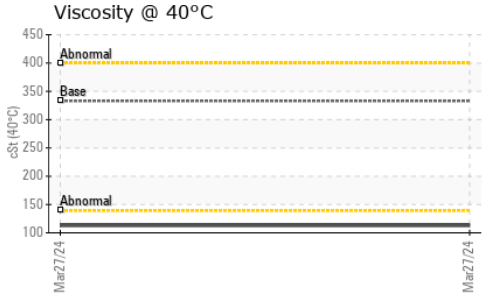
## CONTAMINANTS

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

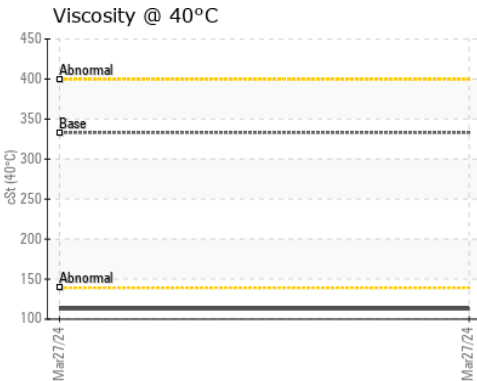
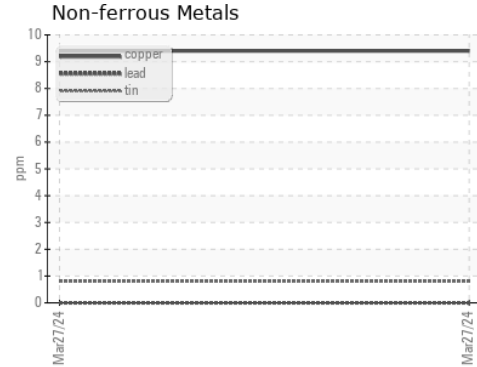
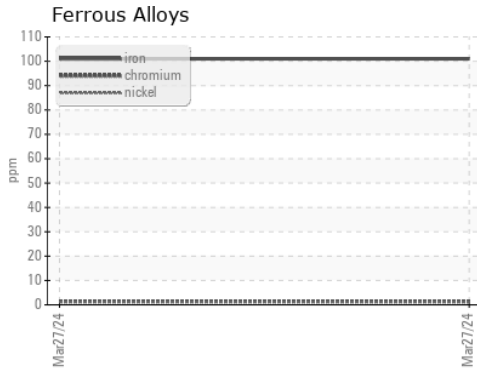
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 333	113	---	---

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.** : ML0000948  
**Lab Number** : 06134252  
**Unique Number** : 10953717  
**Test Package** : CONST

**Received** : 29 Mar 2024  
**Tested** : 01 Apr 2024  
**Diagnosed** : 03 Apr 2024 - Sean Felton

**MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND**  
 1345 MOUNTAIN ROAD  
 GLEN ALLEN, VA  
 US 23060  
 Contact: KYLE RATLIFFE  
 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)

T: (804)266-1611