



**McCLUNG-LOGAN**  
EQUIPMENT COMPANY, INC.

OIL ANALYSIS REPORT

WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**[WASTE MANAGEMENT]**  
Machine Id  
**VOLVO A30G 742522**  
Component  
**Wet Disc Brake**  
Fluid  
**{not provided} (--- GAL)**

**RECOMMENDATION**

We advise that you check all areas where dirt can enter the system. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ML0003005</b>	---	---
Sample Date		Client Info		<b>26 Jun 2024</b>	---	---
Machine Age	hrs	Client Info		<b>4027</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Not Changed</b>	---	---
Filter Changed		Client Info		<b>Not Changed</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

**WEAR**

Copper and iron ppm levels are abnormal.

Iron	ppm	ASTM D5185m	>20	<b>▲ 23</b>	---	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185m	>10	<b>4</b>	---	---
Lead	ppm	ASTM D5185m	>10	<b>1</b>	---	---
Copper	ppm	ASTM D5185m	>75	<b>▲ 292</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

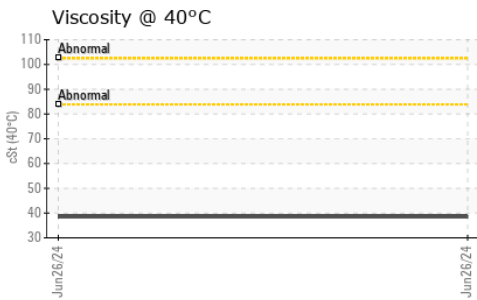
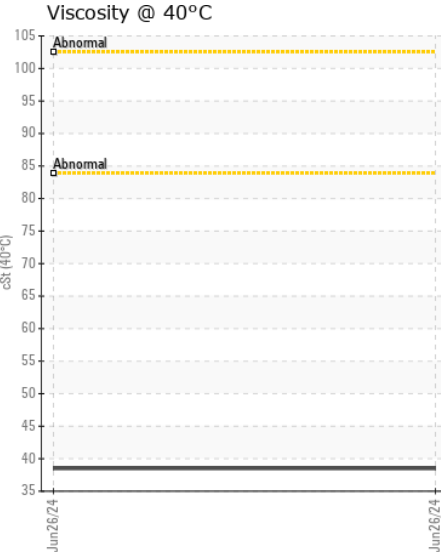
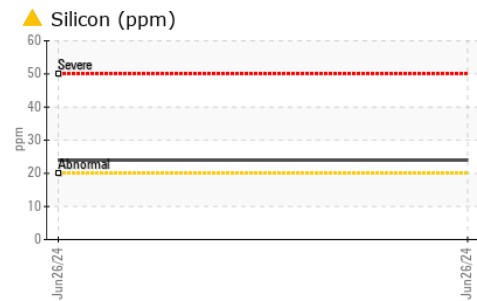
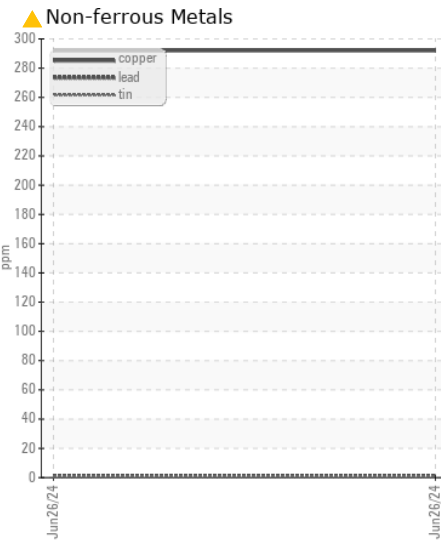
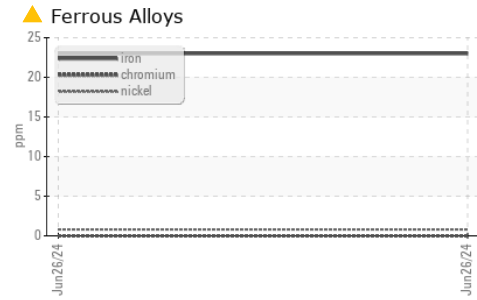
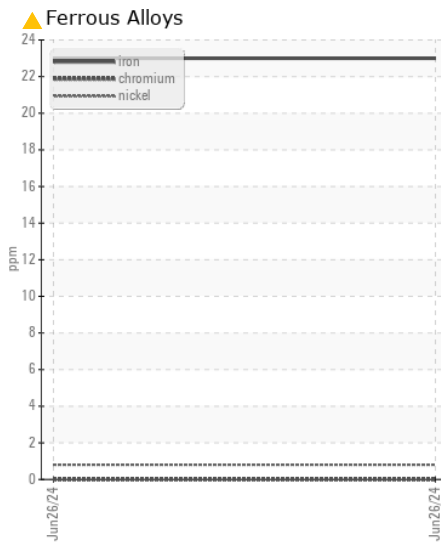
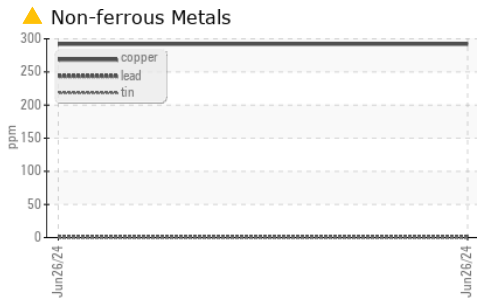
There is a moderate concentration of dirt present in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>▲ 24</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	---	---
Water		WC Method	>0.1	<b>NEG</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	>0.1	<b>NEG</b>	---	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>3</b>	---	---
Boron	ppm	ASTM D5185m		<b>120</b>	---	---
Barium	ppm	ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>2</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>0</b>	---	---
Calcium	ppm	ASTM D5185m		<b>3599</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>1330</b>	---	---
Zinc	ppm	ASTM D5185m		<b>1509</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>5112</b>	---	---
Visc @ 40°C	cSt	ASTM D445		<b>38.5</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ML0003005  
**Lab Number** : 06224127  
**Unique Number** : 11102324  
**Test Package** : CONST

**Received** : 28 Jun 2024  
**Tested** : 01 Jul 2024  
**Diagnosed** : 01 Jul 2024 - Angela Borella

**MCCLUNG-LOGAN EQUIPMENT CO - WINCHESTER**  
 160 KENTMERE COURT  
 WINCHESTER, VA  
 US 22603

Contact: James Trumble  
 jtrumble@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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