



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**SHUTTLE WAGON NXT423 ARIES2303**  
 Component  
**Front Left Final Drive**  
 Fluid  
**UTH (--- 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>ML0002694</b>	---	---
Sample Date	Client Info	<b>10 Jul 2024</b>	---	---
Machine Age	hrs Client Info	<b>1034</b>	---	---
Oil Age	hrs Client Info	<b>1034</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>	---	---
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**WEAR METALS** method limit/base current history1 history2

Iron	ppm	ASTM D5185m	>500	<b>354</b>	---	---
Chromium	ppm	ASTM D5185m	>10	<b>4</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>50	<b>17</b>	---	---
Tin	ppm	ASTM D5185m	>10	<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>117</b>	---	---
Barium	ppm	ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>5</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>0</b>	---	---
Calcium	ppm	ASTM D5185m		<b>619</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>747</b>	---	---
Zinc	ppm	ASTM D5185m		<b>1127</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>11865</b>	---	---

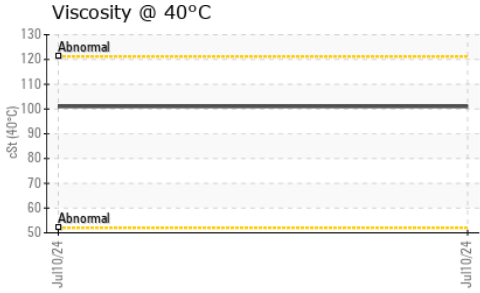
**CONTAMINANTS** method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>75	<b>30</b>	---	---
Sodium	ppm	ASTM D5185m		<b>3</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	---	---

**VISUAL** method limit/base current history1 history2

White Metal	scalar	*Visual	NONE	<b>MODER</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---	---
Silt	scalar	*Visual	NONE	<b>MODER</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>	---	---

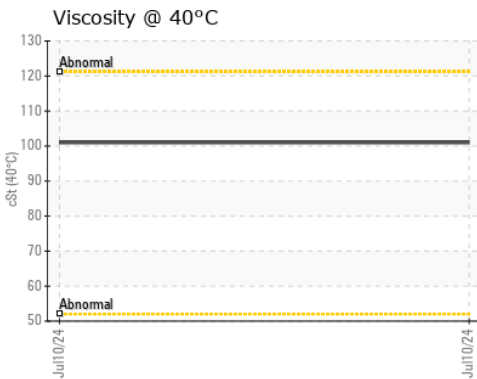
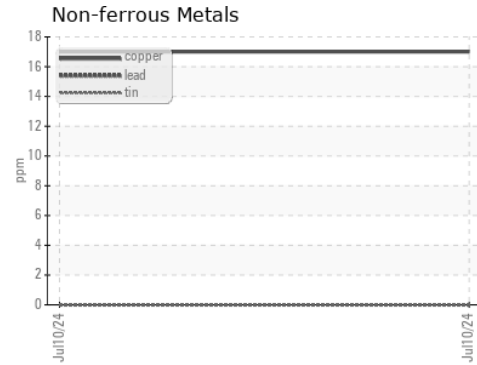
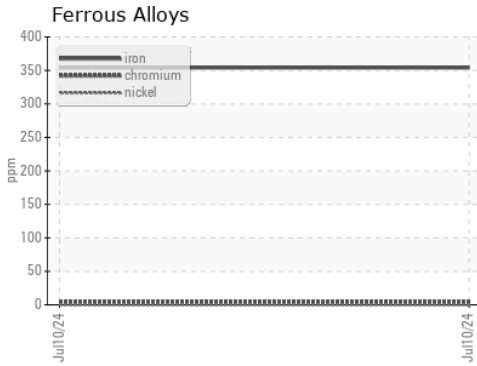
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>101</b>	---	---

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ML0002694  
**Lab Number** : 06236550  
**Unique Number** : 11125384  
**Test Package** : CONST

**Received** : 15 Jul 2024  
**Tested** : 16 Jul 2024  
**Diagnosed** : 17 Jul 2024 - Sean Felton

**McCLUNG-LOGAN EQUIPMENT CO - RICHMOND**  
 1345 MOUNTAIN ROAD  
 GLEN ALLEN, VA  
 US 23060  
 Contact: Alex Anderson  
 aanderson@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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