



# OIL ANALYSIS REPORT

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

Machine Id  
**015-R0006**

Component  
**Front Hoist**

Fluid  
**SCHAEFFER 209 MOLY UNIVERSAL GEARLUBE ISO 220 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: Front axle sample. 6637 hours )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0868341</b>	WC0903954	WC0815208
Sample Date		Client Info		<b>15 May 2024</b>	25 Mar 2024	15 Jun 2023
Machine Age	hrs	Client Info		<b>6637</b>	6362	4305
Oil Age	hrs	Client Info		<b>6362</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>300	<b>130</b>	156	75
Chromium	ppm	ASTM D5185m	>5	<b>2</b>	1	1
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>2</b>	1	<1
Lead	ppm	ASTM D5185m	>120	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m	>200	<b>1</b>	4	<1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

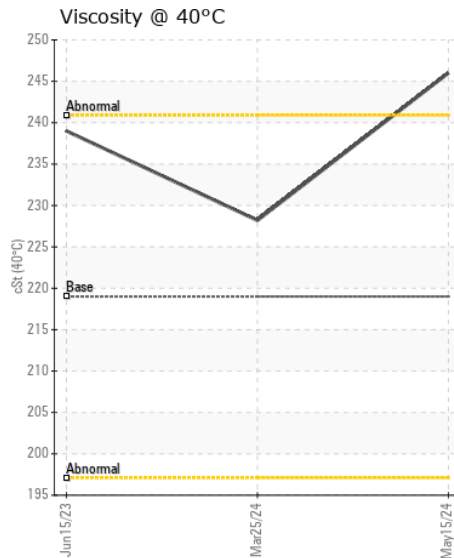
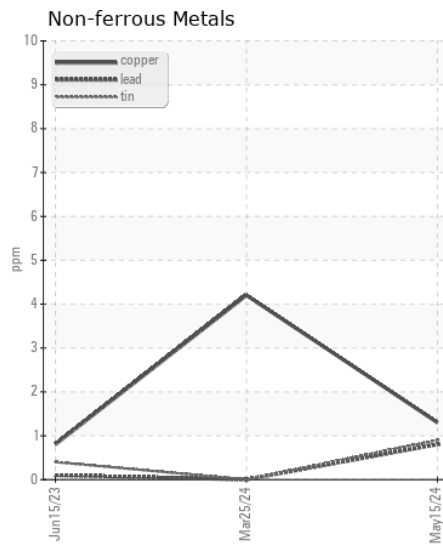
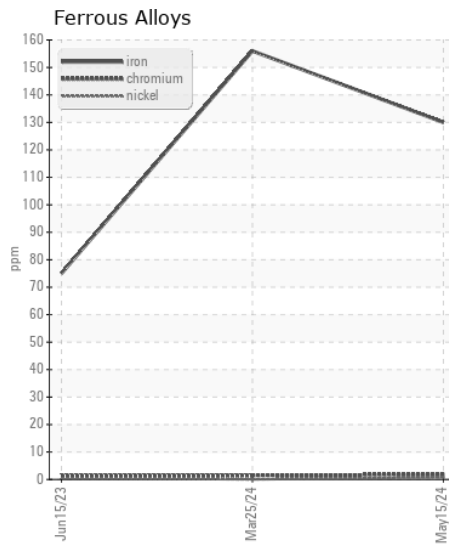
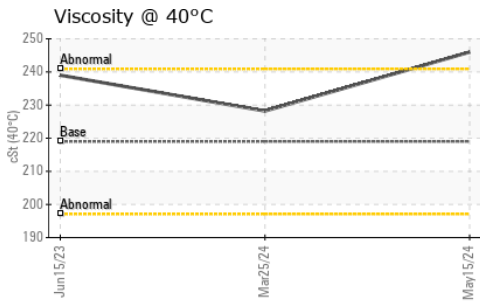
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>7</b>	7	3
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	2	4
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>LIGHT</b>	LIGHT	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>2</b>	5	2
Boron	ppm	ASTM D5185m	65	<b>0</b>	<1	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	325	<b>71</b>	89	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	1	<1
Magnesium	ppm	ASTM D5185m		<b>1</b>	0	2
Calcium	ppm	ASTM D5185m		<b>13</b>	14	18
Phosphorus	ppm	ASTM D5185m	875	<b>234</b>	229	55
Zinc	ppm	ASTM D5185m		<b>56</b>	62	34
Sulfur	ppm	ASTM D5185m	16000	<b>12063</b>	9843	2764
Visc @ 40°C	cSt	ASTM D445	219	<b>246</b>	228.2	239.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0868341  
**Lab Number** : 06186963  
**Unique Number** : 11043715  
**Test Package** : CONST  
**Received** : 21 May 2024  
**Tested** : 23 May 2024  
**Diagnosed** : 23 May 2024 - Don Baldrige

**SHIMMICK CONSTRUCTION**  
 5535 TRAILHEAD DRIVE  
 CHATTANOOGA, TN  
 US 37415  
 Contact: DANIEL LISELLA  
 daniel.lisella@shimmick.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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F: