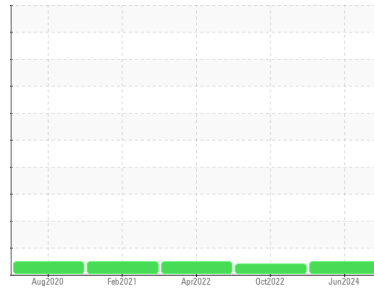




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**015-R014**  
 Component  
**Front Left Final Drive**  
 Fluid  
**SCHAEFFER SCHAEFFER 293 MOLY 75W90 (--- GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: Left front final drive sample @ 7393 hours )

#### 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>WC0868308</b>	WC0698151	WC0548443
Sample Date	Client Info			<b>18 Jun 2024</b>	03 Oct 2022	14 Apr 2022
Machine Age	hrs	Client Info		<b>7393</b>	21160	20124
Oil Age	hrs	Client Info		<b>7393</b>	0	0
Oil Changed	Client Info			<b>Not Changd</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>26</b>	123	32
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	3	1
Lead	ppm	ASTM D5185m	>25	<b>0</b>	<1	1
Copper	ppm	ASTM D5185m	>50	<b>10</b>	4	10
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	1
Antimony	ppm	ASTM D5185m	>5	<b>---</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0

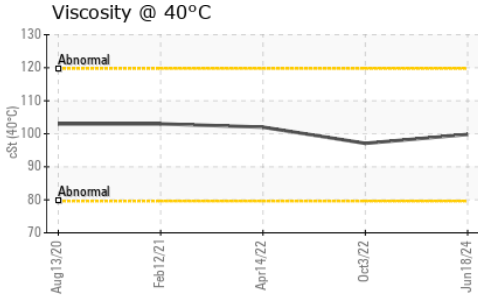
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>186</b>	15	201
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	379	6
Manganese	ppm	ASTM D5185m		<b>2</b>	4	1
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	4	7
Calcium	ppm	ASTM D5185m		<b>15</b>	16	103
Phosphorus	ppm	ASTM D5185m		<b>1281</b>	1191	1331
Zinc	ppm	ASTM D5185m		<b>145</b>	30	70
Sulfur	ppm	ASTM D5185m		<b>26439</b>	25716	19942

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>3</b>	7	12
Sodium	ppm	ASTM D5185m		<b>10</b>	0	7
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	3	3

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	▲ MODER	NONE
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	>0.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG



# OIL ANALYSIS REPORT

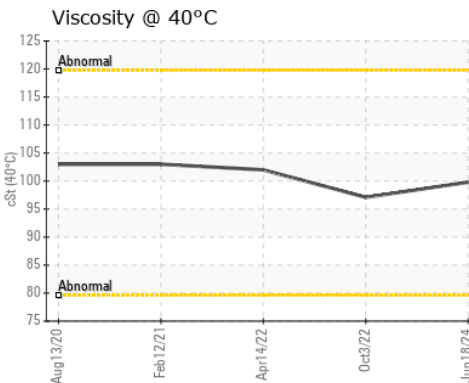
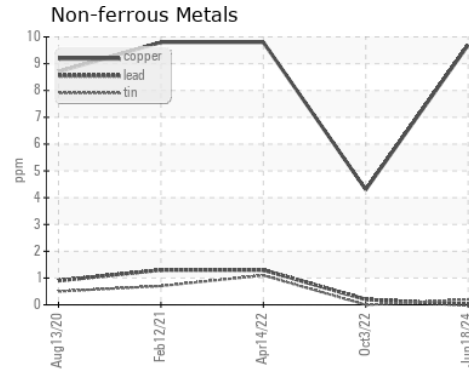
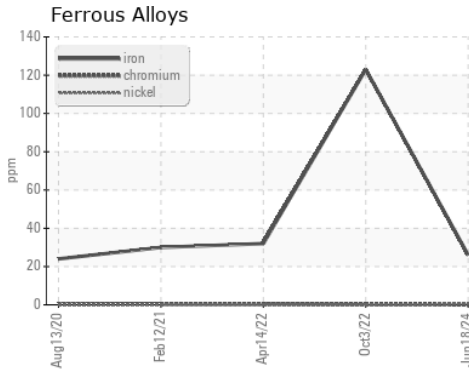


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	99.8	97.1	102

SAMPLE IMAGES	method	limit/base	current	history1	history2
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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.** : WC0868308      **Received** : 21 Jun 2024  
**Lab Number** : 06217203      **Tested** : 24 Jun 2024  
**Unique Number** : 11090067      **Diagnosed** : 24 Jun 2024 - Don Baldrige  
**Test Package** : CONST

**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)

T:  
F: