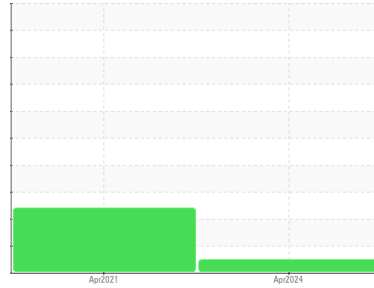




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**[21115]**  
 Machine Id  
**30-68**  
 Component  
**Right Final Drive**  
 Fluid  
**CONOCO PHILLIPS GUARDOL ECT 15W40 (--- 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>WC0923400</b>	WC0549017	---
Sample Date	Client Info			<b>16 Apr 2024</b>	19 Apr 2021	---
Machine Age	hrs	Client Info		<b>4065</b>	3215	---
Oil Age	hrs	Client Info		<b>1065</b>	1265	---
Oil Changed	Client Info			<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>125</b>	353	---
Chromium	ppm	ASTM D5185m	>10	<b>5</b>	7	---
Nickel	ppm	ASTM D5185m	>10	<b>3</b>	2	---
Titanium	ppm	ASTM D5185m		<b>4</b>	2	---
Silver	ppm	ASTM D5185m		<b>3</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>8</b>	18	---
Lead	ppm	ASTM D5185m	>25	<b>3</b>	<1	---
Copper	ppm	ASTM D5185m	>50	<b>19</b>	35	---
Tin	ppm	ASTM D5185m	>10	<b>2</b>	0	---
Antimony	ppm	ASTM D5185m	>5	<b>---</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>3</b>	<1	---
Cadmium	ppm	ASTM D5185m		<b>2</b>	0	---

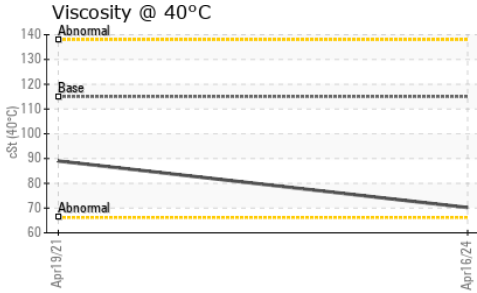
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	85	<b>114</b>	20	---
Barium	ppm	ASTM D5185m		<b>2</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>7</b>	7	---
Manganese	ppm	ASTM D5185m		<b>4</b>	4	---
Magnesium	ppm	ASTM D5185m	350	<b>632</b>	126	---
Calcium	ppm	ASTM D5185m	1800	<b>1601</b>	3616	---
Phosphorus	ppm	ASTM D5185m	1000	<b>1148</b>	870	---
Zinc	ppm	ASTM D5185m	1100	<b>1197</b>	995	---
Sulfur	ppm	ASTM D5185m	3500	<b>4514</b>	3943	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>44</b>	▲ 131	---
Sodium	ppm	ASTM D5185m		<b>4</b>	2	---
Potassium	ppm	ASTM D5185m	>20	<b>8</b>	6	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual		<b>NEG</b>	NEG	---



# OIL ANALYSIS REPORT



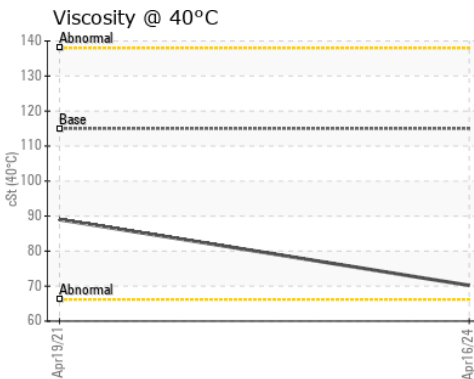
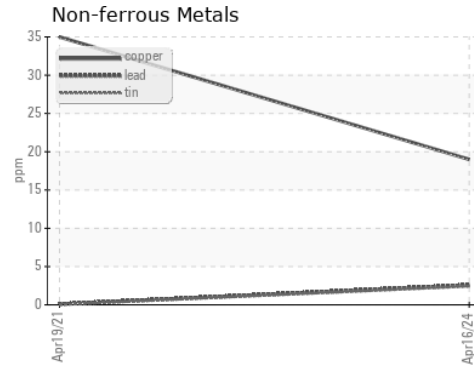
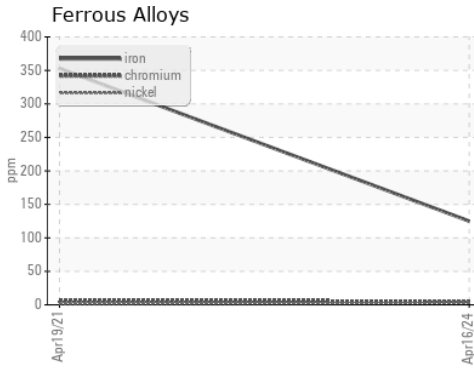
### FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	115	<b>70.2</b>	89.0	---

### 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.** : WC0923400  
**Lab Number** : **06183553**  
**Unique Number** : 11034879  
**Test Package** : CONST

**Received** : 17 May 2024  
**Tested** : 20 May 2024  
**Diagnosed** : 20 May 2024 - Wes Davis

**MANHATTAN ROAD AND BRIDGE**  
 5601 S 122ND E AVE  
 TULSA, OK  
 US 74146  
 Contact: BEN CALDWELL  
 kevin.marson@wearcheck.com  
 T: (918)728-5749  
 F:

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)