

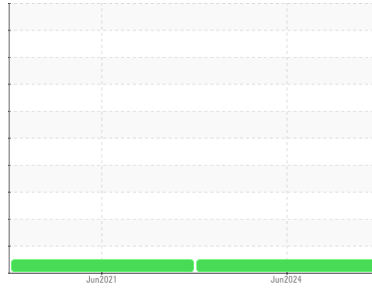


# OIL ANALYSIS REPORT



Area  
**[23534]**  
 Machine Id  
**5065**  
 Component  
**Center Right Final Drive**  
 Fluid  
**CONOCO PHILLIPS 80W90 (--- GAL)**

### Sample Rating Trend



**NORMAL**



### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: ConocoPhillips mp gear oil 80w/90 )

#### 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>WC0923338</b>	WC0548795	---
Sample Date	Client Info			<b>18 Jun 2024</b>	04 Jun 2021	---
Machine Age	hrs	Client Info		<b>2635</b>	2020	---
Oil Age	hrs	Client Info		<b>635</b>	1000	---
Oil Changed	Client Info			<b>Not Chngd</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.075	<b>NEG</b>	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>750	<b>109</b>	351	---
Chromium	ppm	ASTM D5185m	>9	<b>1</b>	4	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>40	<b>5</b>	20	---
Lead	ppm	ASTM D5185m	>15	<b>1</b>	1	---
Copper	ppm	ASTM D5185m	>40	<b>13</b>	35	---
Tin	ppm	ASTM D5185m	>10	<b>1</b>	3	---
Antimony	ppm	ASTM D5185m	>5	<b>---</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---

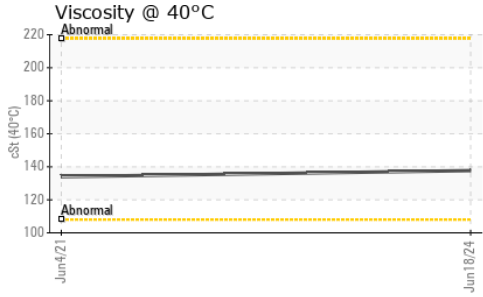
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>10</b>	30	---
Barium	ppm	ASTM D5185m		<b>1</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>16</b>	63	---
Manganese	ppm	ASTM D5185m		<b>2</b>	4	---
Magnesium	ppm	ASTM D5185m		<b>5</b>	4	---
Calcium	ppm	ASTM D5185m		<b>14</b>	15	---
Phosphorus	ppm	ASTM D5185m		<b>419</b>	652	---
Zinc	ppm	ASTM D5185m		<b>21</b>	49	---
Sulfur	ppm	ASTM D5185m		<b>18505</b>	16704	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>8</b>	19	---
Sodium	ppm	ASTM D5185m	>51	<b>0</b>	2	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	1	---

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	>0.075	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual		<b>NEG</b>	NEG	---



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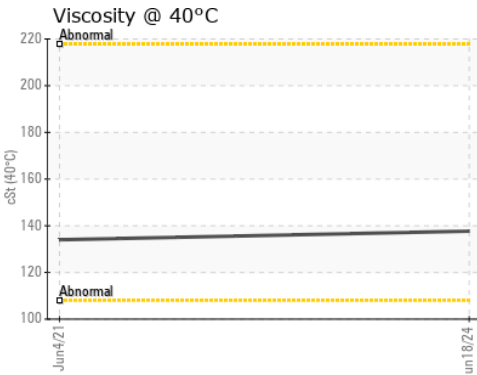
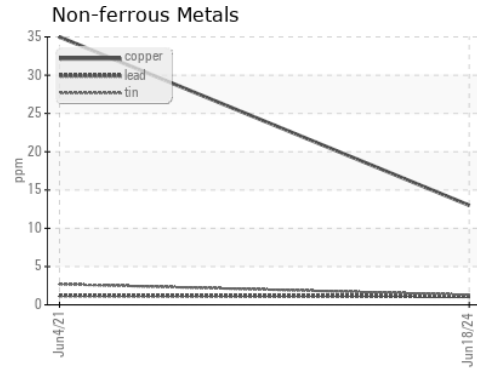
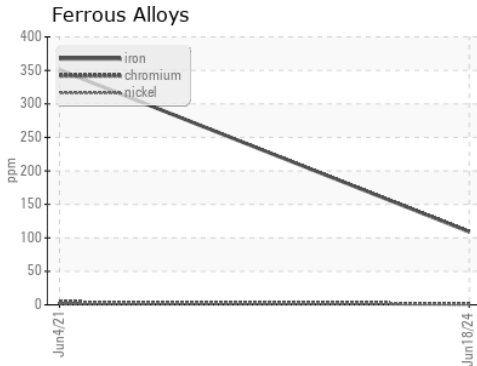
FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 40°C	cSt	ASTM D445	<b>137.7</b>	134	---
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color	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.** : WC0923338      **Received** : 24 Jun 2024  
**Lab Number** : **06218599**      **Tested** : 27 Jun 2024  
**Unique Number** : 11096796      **Diagnosed** : 27 Jun 2024 - Jonathan Hester  
**Test Package** : CONST

**MANHATTAN ROAD AND BRIDGE**  
 5601 S 122ND E AVE  
 TULSA, OK 74146  
 Contact: WILL ANDERSON  
 will.anderson@manhattanrb.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: