



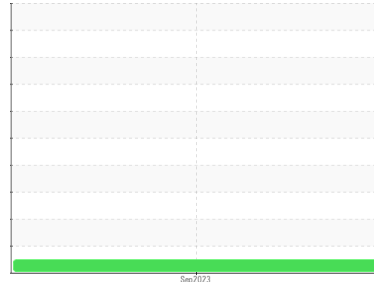
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**[19160]**  
 Machine Id  
**5066**  
 Component  
**Rear Rear Left Final Drive**  
 Fluid  
**CONOCO PHILLIPS 80W90 (--- GAL)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: ConocoPhillips 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>WC0818767</b>	---	---
Sample Date	Client Info		<b>06 Sep 2023</b>	---	---
Machine Age	hrs	Client Info	<b>3425</b>	---	---
Oil Age	hrs	Client Info	<b>1425</b>	---	---
Oil Changed	Client Info		<b>Not Chngd</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >750	<b>292</b>	---	---
Chromium	ppm	ASTM D5185m >9	<b>2</b>	---	---
Nickel	ppm	ASTM D5185m >10	<b>1</b>	---	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m >40	<b>2</b>	---	---
Lead	ppm	ASTM D5185m >15	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185m >40	<b>18</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>8</b>	---	---
Barium	ppm	ASTM D5185m	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	<b>204</b>	---	---
Manganese	ppm	ASTM D5185m	<b>3</b>	---	---
Magnesium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Calcium	ppm	ASTM D5185m	<b>14</b>	---	---
Phosphorus	ppm	ASTM D5185m	<b>321</b>	---	---
Zinc	ppm	ASTM D5185m	<b>23</b>	---	---
Sulfur	ppm	ASTM D5185m	<b>18915</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>14</b>	---	---
Sodium	ppm	ASTM D5185m >51	<b>&lt;1</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>1</b>	---	---

## VISUAL

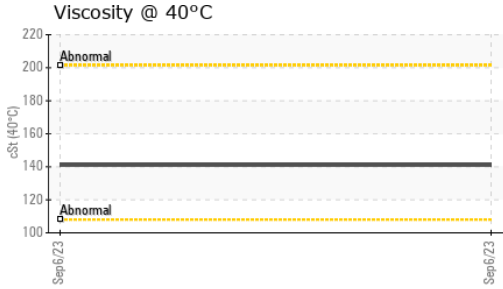
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	---	---
Precipitate	scalar	*Visual NONE	<b>NONE</b>	---	---
Silt	scalar	*Visual NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual >0.075	<b>NEG</b>	---	---
Free Water	scalar	*Visual	<b>NEG</b>	---	---

## FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>141</b>	---	---

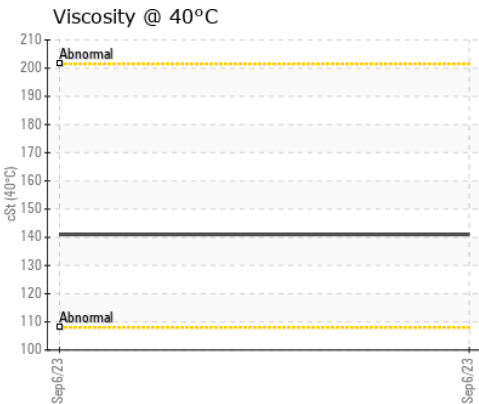
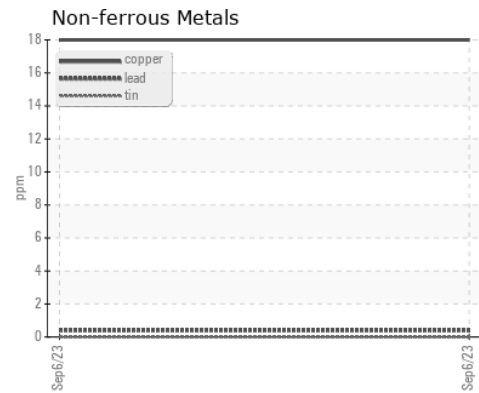
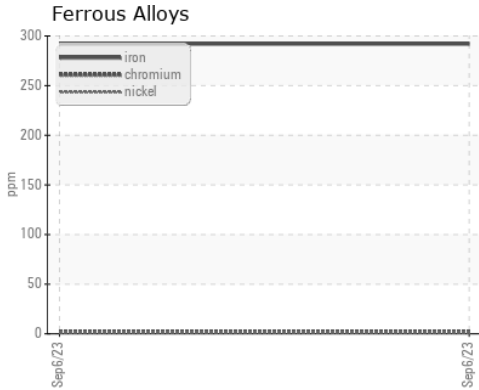


# OIL ANALYSIS REPORT



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.** : WC0818767      **Received** : 03 Oct 2023  
**Lab Number** : 05968465      **Diagnosed** : 04 Oct 2023  
**Unique Number** : 10675016      **Diagnostician** : Doug Bogart  
**Test Package** : CONST

**MANHATTAN ROAD AND BRIDGE**  
 5601 S 122ND E AVE  
 TULSA, OK  
 US 74146  
 Contact: JAMES STEELMON  
 james.steelmon@manhattanrb.com  
 T:  
 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)