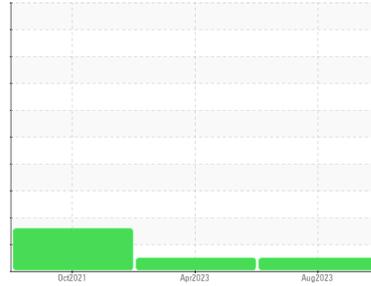




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**[18745]**

Machine Id  
**30-81**

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>WC0793345</b>	WC0793264	WC0601348
Sample Date	Client Info		<b>10 Aug 2023</b>	04 Apr 2023	29 Oct 2021
Machine Age	hrs	Client Info	<b>5694</b>	5174	4191
Oil Age	hrs	Client Info	<b>520</b>	1023	4191
Oil Changed	Client Info		<b>Not Chngd</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	ABNORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	<b>72</b>	129	294
Chromium	ppm	ASTM D5185m >10	<b>1</b>	5	8
Nickel	ppm	ASTM D5185m >10	<b>0</b>	<1	2
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	2
Silver	ppm	ASTM D5185m	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m >25	<b>2</b>	6	17
Lead	ppm	ASTM D5185m >25	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m >50	<b>1</b>	2	3
Tin	ppm	ASTM D5185m >10	<b>0</b>	0	0
Antimony	ppm	ASTM D5185m >5	<b>---</b>	---	<1
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	1
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 85	<b>109</b>	93	95
Barium	ppm	ASTM D5185m	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m	<b>18</b>	4	4
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	2	3
Magnesium	ppm	ASTM D5185m 350	<b>567</b>	471	738
Calcium	ppm	ASTM D5185m 1800	<b>1526</b>	1512	1770
Phosphorus	ppm	ASTM D5185m 1000	<b>1001</b>	929	1113
Zinc	ppm	ASTM D5185m 1100	<b>1169</b>	1028	1190
Sulfur	ppm	ASTM D5185m 3500	<b>4545</b>	6528	5803

## CONTAMINANTS

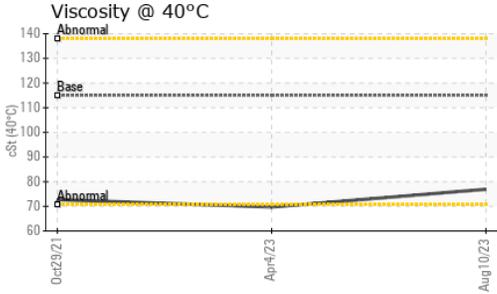
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>22</b>	48	▲ 116
Sodium	ppm	ASTM D5185m	<b>2</b>	3	5
Potassium	ppm	ASTM D5185m >20	<b>2</b>	2	4

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	VLITE
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>	NONE	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



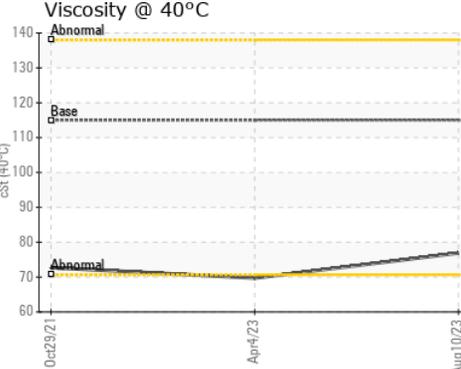
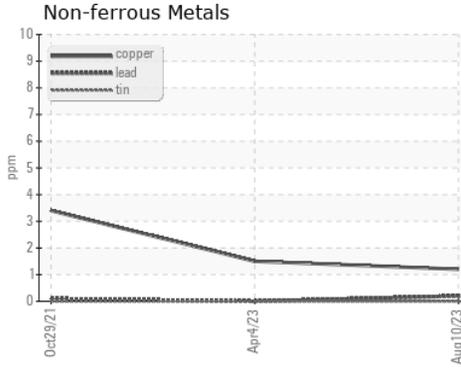
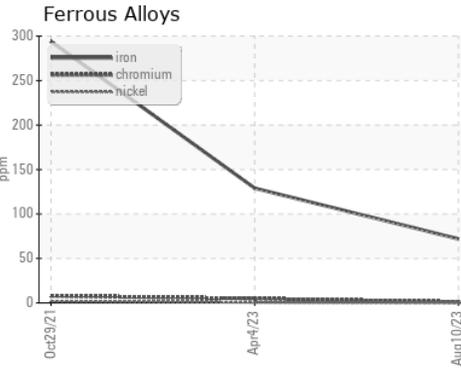
### FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	115	<b>76.9</b>	69.7	72.7

### 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.** : WC0793345      **Received** : 18 Aug 2023  
**Lab Number** : **05928990**      **Diagnosed** : 22 Aug 2023  
**Unique Number** : 10608937      **Diagnostician** : Don Baldrige  
**Test Package** : CONST

**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)