



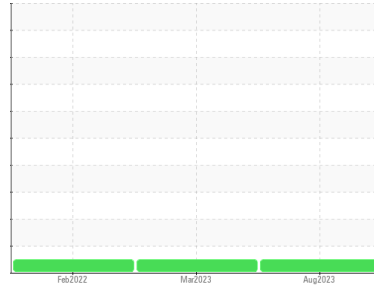
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**[18573]**  
 Machine Id  
**3077**  
 Component  
**Transmission**  
 Fluid  
**CONOCO PHILLIPS GUARDOL ECT 10W30 (--- 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 fluid.

### Fluid Condition

The condition of the fluid is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0802438</b>	WC0754824	WC0619501
Sample Date	Client Info		<b>01 Aug 2023</b>	06 Mar 2023	10 Feb 2022
Machine Age	hrs	Client Info	<b>3625</b>	3105	2577
Oil Age	hrs	Client Info	<b>520</b>	528	2329
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	Filtered
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >61	<b>12</b>	12	10
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m >20	<b>0</b>	<1	1
Lead	ppm	ASTM D5185m >9	<b>1</b>	2	2
Copper	ppm	ASTM D5185m >100	<b>12</b>	12	10
Tin	ppm	ASTM D5185m >3	<b>0</b>	0	0
Antimony	ppm	ASTM D5185m	<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	<1	<1
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m	<b>6</b>	5	5
Calcium	ppm	ASTM D5185m	<b>231</b>	233	281
Phosphorus	ppm	ASTM D5185m 1100	<b>639</b>	602	663
Zinc	ppm	ASTM D5185m 1220	<b>808</b>	826	850
Sulfur	ppm	ASTM D5185m	<b>2007</b>	1627	1544

## CONTAMINANTS

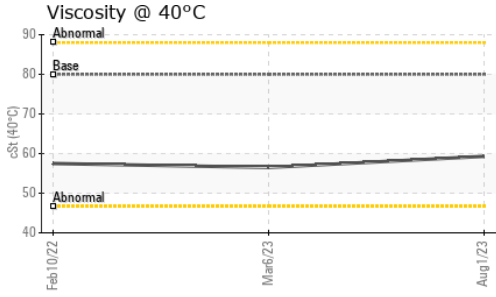
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >21	<b>4</b>	4	4
Sodium	ppm	ASTM D5185m >30	<b>0</b>	0	0
Potassium	ppm	ASTM D5185m >20	<b>0</b>	1	<1

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
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 >0.075	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG



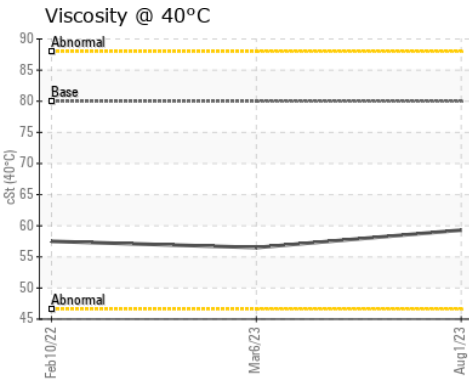
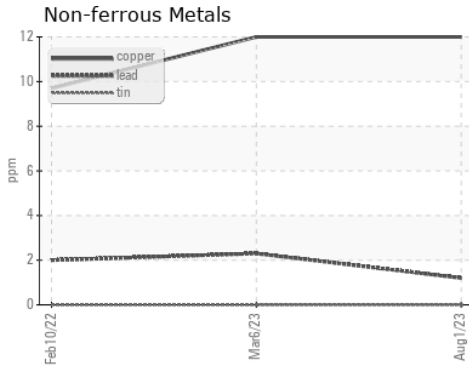
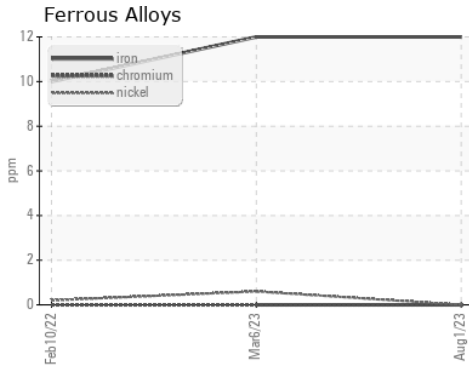
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 80.0	<b>59.3</b>	56.5	57.5

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.** : WC0802438 **Received** : 18 Aug 2023  
**Lab Number** : 05929098 **Diagnosed** : 22 Aug 2023  
**Unique Number** : 10609045 **Diagnostician** : Don Baldrige  
**Test Package** : CONST

**MANHATTAN ROAD AND BRIDGE**  
 5601 S 122ND E AVE  
 TULSA, OK  
 US 74146  
 Contact: LANCE HARMON  
 lance.harmon@manhattanrb.com  
 T: (918)576-9071  
 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)