

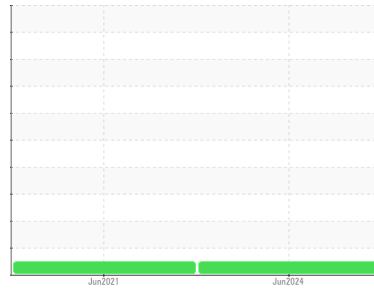


# OIL ANALYSIS REPORT



Area  
**[23534]**  
 Machine Id  
**50-65**  
 Component  
**Hydraulic System**  
 Fluid  
**ConocoPhillips power Tran (--- GAL)**

### Sample Rating Trend



**NORMAL**



### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: ConocoPhillips power Tran )

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

#### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0923332</b>	WC0548809	---
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>	0	---
Oil Changed	Client Info			<b>Not Chngd</b>	N/A	---
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	>23	<b>1</b>	11	---
Chromium	ppm	ASTM D5185m	>9	<b>0</b>	2	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>9	<b>1</b>	0	---
Lead	ppm	ASTM D5185m	>28	<b>0</b>	3	---
Copper	ppm	ASTM D5185m	>51	<b>3</b>	9	---
Tin	ppm	ASTM D5185m	>5	<b>0</b>	<1	---
Antimony	ppm	ASTM D5185m		<b>---</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

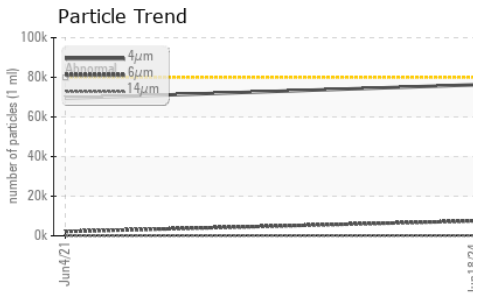
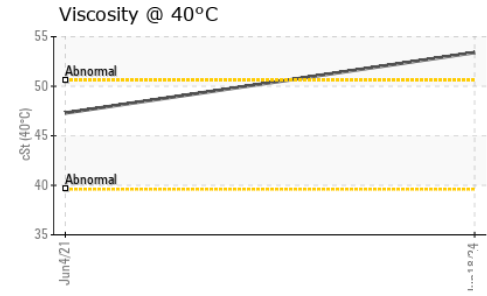
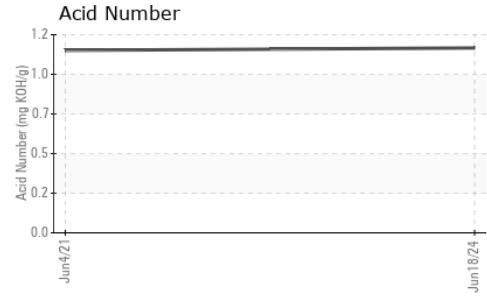
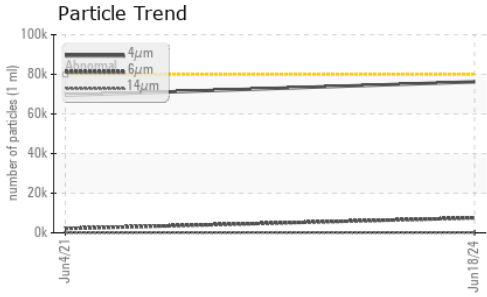
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>96</b>	117	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>3</b>	1	---
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>114</b>	16	---
Calcium	ppm	ASTM D5185m		<b>3138</b>	2394	---
Phosphorus	ppm	ASTM D5185m		<b>1115</b>	859	---
Zinc	ppm	ASTM D5185m		<b>1331</b>	929	---
Sulfur	ppm	ASTM D5185m		<b>3826</b>	2195	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>31	<b>17</b>	12	---
Sodium	ppm	ASTM D5185m	>21	<b>3</b>	4	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>80000	<b>76225</b>	69427	---
Particles >6µm		ASTM D7647	>20000	<b>7517</b>	2165	---
Particles >14µm		ASTM D7647	>640	<b>100</b>	40	---
Particles >21µm		ASTM D7647	>160	<b>23</b>	15	---
Particles >38µm		ASTM D7647	>40	<b>2</b>	2	---
Particles >71µm		ASTM D7647	>10	<b>1</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>23/21/16	<b>23/20/14</b>	23/18/12	---



# OIL ANALYSIS REPORT



FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.12</b>	1.105	---

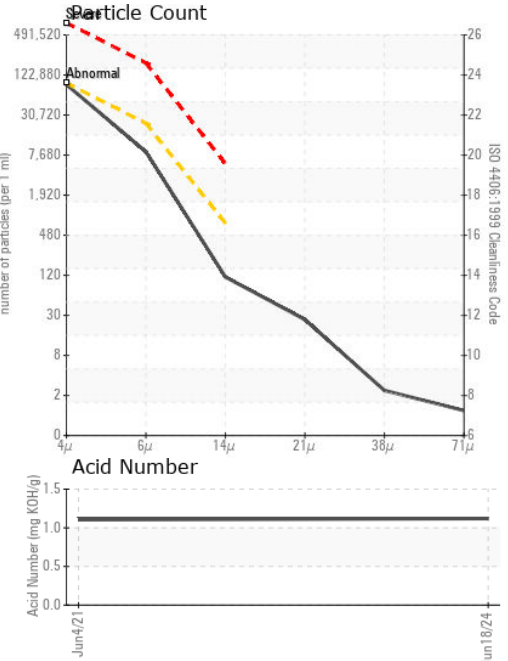
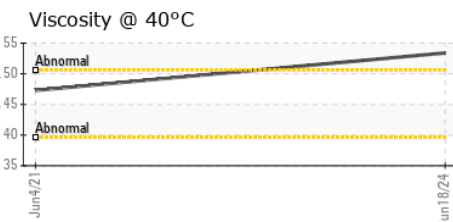
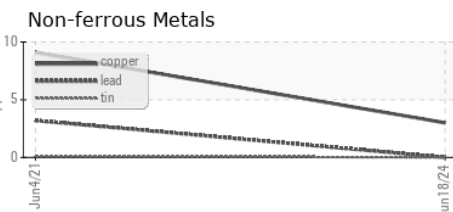
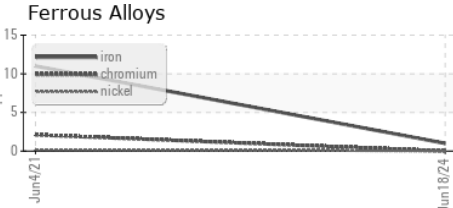
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	---
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	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		<b>53.4</b>	47.3	---

### SAMPLE IMAGES

Color			no image
Bottom			no image

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0923332      **Received** : 25 Jun 2024  
**Lab Number** : **06219624**      **Tested** : 26 Jun 2024  
**Unique Number** : 11097821      **Diagnosed** : 26 Jun 2024 - 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

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)