

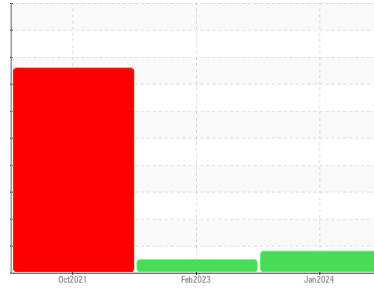


OIL ANALYSIS REPORT



Area
[21055]
 Machine Id
53-03
 Component
Rear Differential
 Fluid
ConocoPhillips power tran oil (--- GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation
 No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: ConocoPhillips power Tran)

Wear
 The copper level is abnormal. All other 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		WC0836121	WC0754859	WC0601577
Sample Date	Client Info		11 Jan 2024	10 Feb 2023	13 Oct 2021
Machine Age	hrs	Client Info	5912	5395	4433
Oil Age	hrs	Client Info	1500	964	2000
Oil Changed	Client Info		Not Chngd	Not Chngd	Changed
Sample Status			ABNORMAL	NORMAL	SEVERE

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>500	107	16	▲ 595
Chromium	ppm	ASTM D5185m	>10	1	<1	3
Nickel	ppm	ASTM D5185m	>10	1	0	6
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	<1	0	2
Lead	ppm	ASTM D5185m	>25	<1	0	<1
Copper	ppm	ASTM D5185m	>100	▲ 105	12	● 799
Tin	ppm	ASTM D5185m	>10	2	<1	▲ 15
Antimony	ppm	ASTM D5185m	>5	---	---	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		<1	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		90	1	39
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		2	<1	7
Manganese	ppm	ASTM D5185m		3	<1	19
Magnesium	ppm	ASTM D5185m		28	2	68
Calcium	ppm	ASTM D5185m		2741	29	3296
Phosphorus	ppm	ASTM D5185m		959	24	1014
Zinc	ppm	ASTM D5185m		1137	11	1152
Sulfur	ppm	ASTM D5185m		5505	5352	2903

CONTAMINANTS

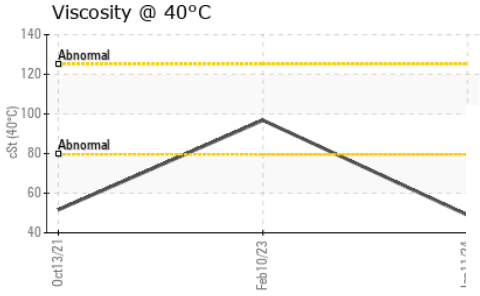
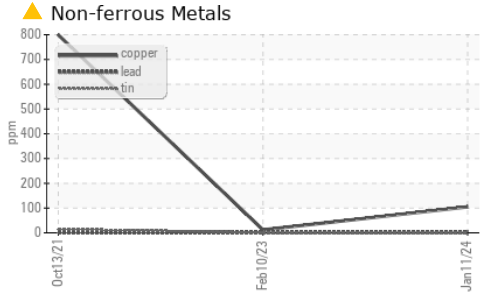
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>75	19	<1	11
Sodium	ppm	ASTM D5185m		0	10	5
Potassium	ppm	ASTM D5185m	>20	2	11	3

VISUAL

	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	mitted	mitted



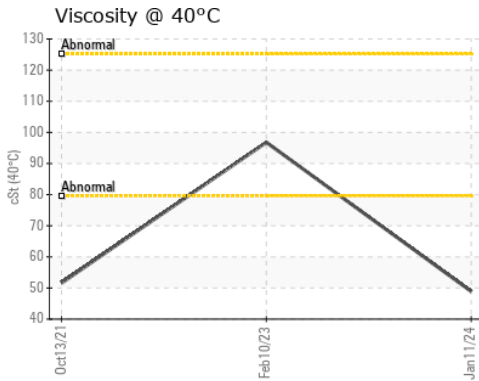
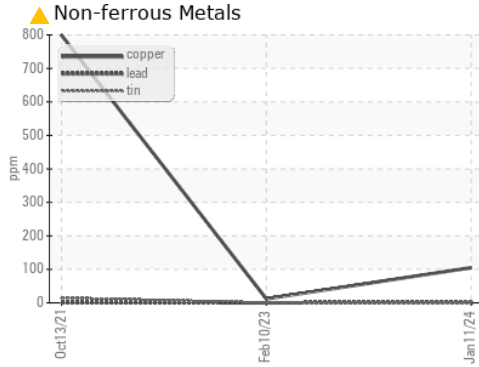
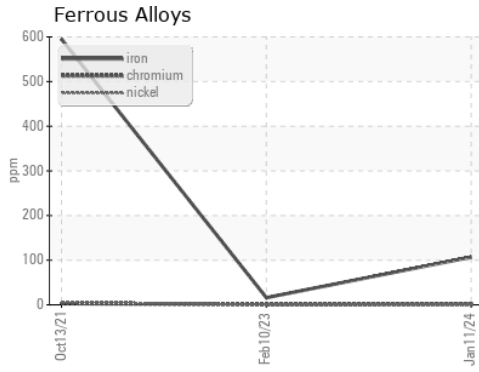
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	48.9	96.8	51.6

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0836121 **Received** : 01 Feb 2024
Lab Number : **06077885** **Tested** : 02 Feb 2024
Unique Number : 10859976 **Diagnosed** : 04 Feb 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
 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)