



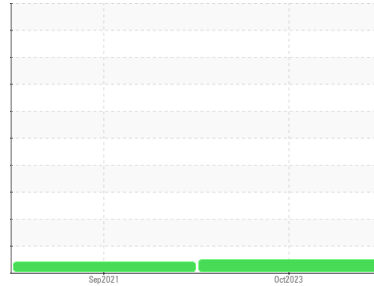
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[20017]
 Machine Id
50-56
 Component
Hydraulic System
 Fluid
CONOCOPHILLIPS POWERTRAN (--- GAL)



DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

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

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		WC0836105	WC0601502	---
Sample Date	Client Info		31 Oct 2023	14 Sep 2021	---
Machine Age	hrs	Client Info	12325	11650	---
Oil Age	hrs	Client Info	675	0	---
Oil Changed	Client Info		Changed	Not Changd	---
Sample Status			NORMAL	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >71	7	12	---
Chromium	ppm	ASTM D5185m >11	1	4	---
Nickel	ppm	ASTM D5185m >6	<1	0	---
Titanium	ppm	ASTM D5185m	<1	<1	---
Silver	ppm	ASTM D5185m	<1	<1	---
Aluminum	ppm	ASTM D5185m >11	1	4	---
Lead	ppm	ASTM D5185m >13	0	<1	---
Copper	ppm	ASTM D5185m >21	5	9	---
Tin	ppm	ASTM D5185m >5	0	0	---
Antimony	ppm	ASTM D5185m	---	0	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	<1	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	84	62	---
Barium	ppm	ASTM D5185m	7	0	---
Molybdenum	ppm	ASTM D5185m	5	17	---
Manganese	ppm	ASTM D5185m	0	<1	---
Magnesium	ppm	ASTM D5185m	57	171	---
Calcium	ppm	ASTM D5185m	2417	1654	---
Phosphorus	ppm	ASTM D5185m	880	759	---
Zinc	ppm	ASTM D5185m	992	738	---
Sulfur	ppm	ASTM D5185m	2880	2149	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >24	16	12	---
Sodium	ppm	ASTM D5185m >21	0	2	---
Potassium	ppm	ASTM D5185m >20	2	2	---

FLUID CLEANLINESS

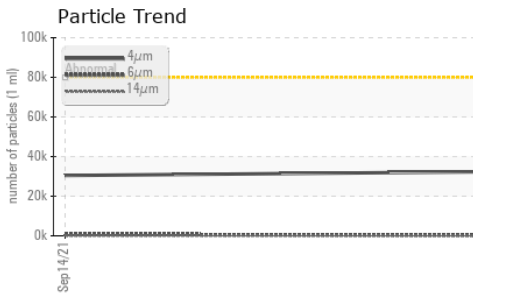
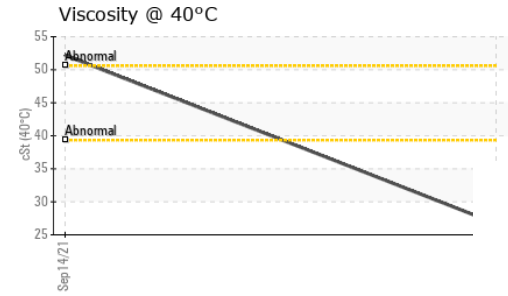
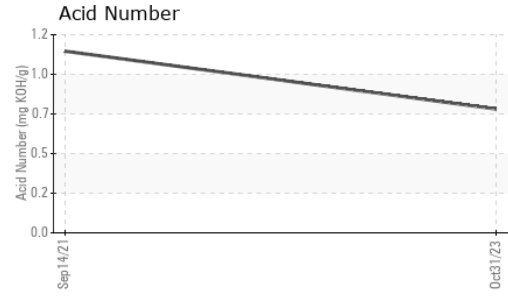
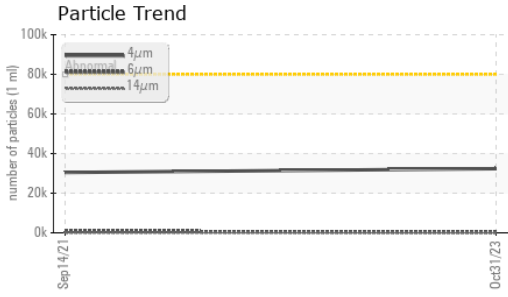
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>80000	32372	▲ 30448	---
Particles >6µm	ASTM D7647	>5000	436	658	---
Particles >14µm	ASTM D7647	>640	8	40	---
Particles >21µm	ASTM D7647	>160	2	8	---
Particles >38µm	ASTM D7647	>40	0	0	---
Particles >71µm	ASTM D7647	>10	0	0	---
Oil Cleanliness	ISO 4406 (c)	>23/19/16	22/16/10	▲ 22/17/12	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.75	1.100	---



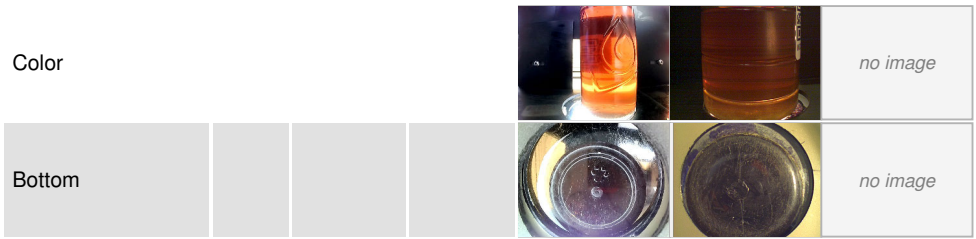
OIL ANALYSIS REPORT



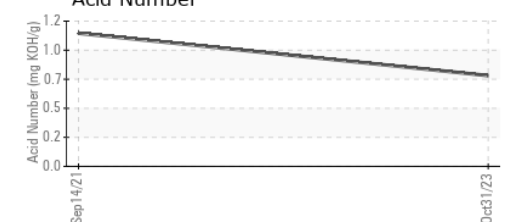
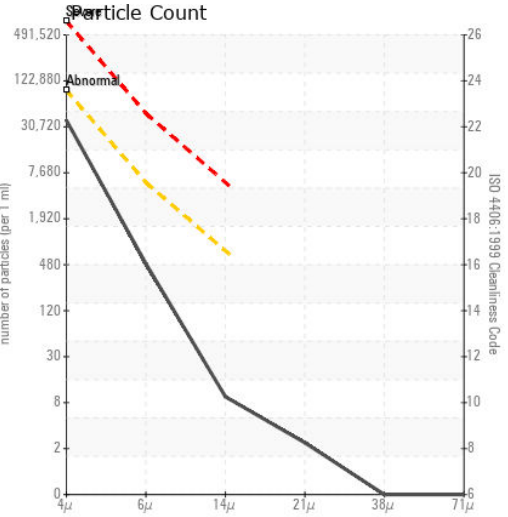
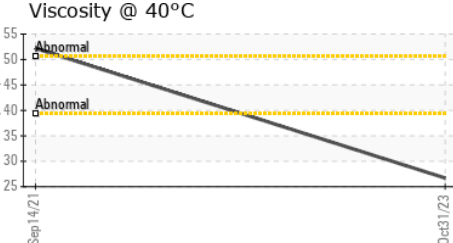
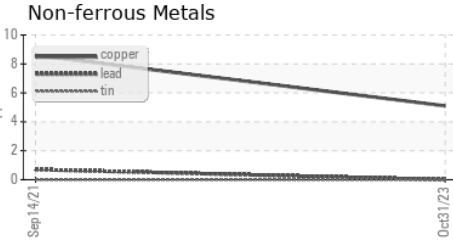
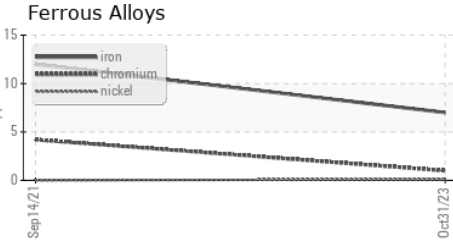
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	26.7	52.2	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0836105 **Received** : 15 Nov 2023
Lab Number : 06009054 **Diagnosed** : 19 Nov 2023
Unique Number : 10742816 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PrtCount)

MANHATTAN ROAD AND BRIDGE
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 TULSA, OK
 US 74146
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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)