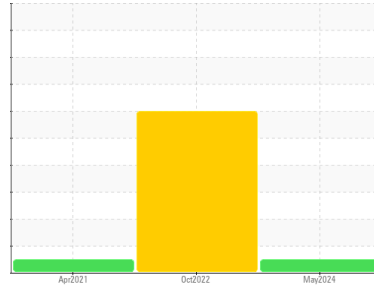




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

80-217

Component

Front Differential

Fluid

CONOCO PHILLIPS POWERTRAN (--- 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			WC0766477	WC0619518	WC0548864
Sample Date	Client Info			01 May 2024	18 Oct 2022	02 Apr 2021
Machine Age	hrs	Client Info		6923	5863	4870
Oil Age	hrs	Client Info		6923	730	250
Oil Changed	Client Info			Changed	Changed	Changed
Sample Status				NORMAL	SEVERE	NORMAL

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	134	▲ 1494	387
Chromium	ppm	ASTM D5185m	>10	2	5	2
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		2	2	1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	3	7	6
Lead	ppm	ASTM D5185m	>25	2	0	<1
Copper	ppm	ASTM D5185m	>100	32	2	2
Tin	ppm	ASTM D5185m	>10	2	<1	<1
Antimony	ppm	ASTM D5185m	>5	---	---	2
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	<1	<1

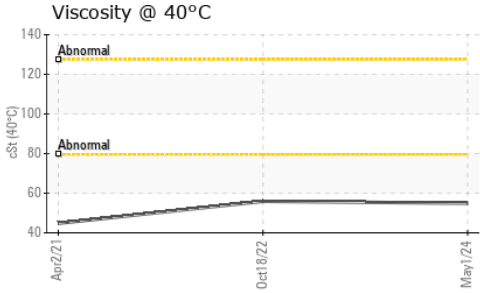
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		127	85	98
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		<1	27	11
Manganese	ppm	ASTM D5185m		6	13	6
Magnesium	ppm	ASTM D5185m		<1	19	22
Calcium	ppm	ASTM D5185m		3689	3027	3119
Phosphorus	ppm	ASTM D5185m		1238	1061	1057
Zinc	ppm	ASTM D5185m		1483	1146	1325
Sulfur	ppm	ASTM D5185m		4409	4266	2916

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	17	24	18
Sodium	ppm	ASTM D5185m		15	5	5
Potassium	ppm	ASTM D5185m	>20	3	<1	2

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	VLITE	NONE
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	NEG	NEG



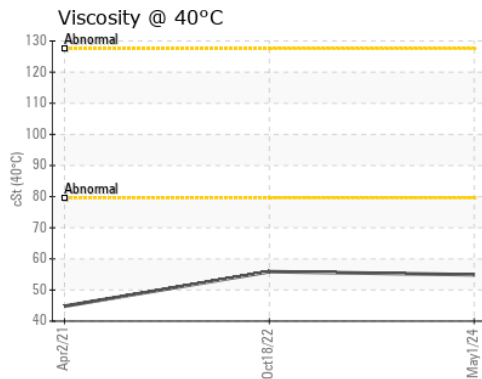
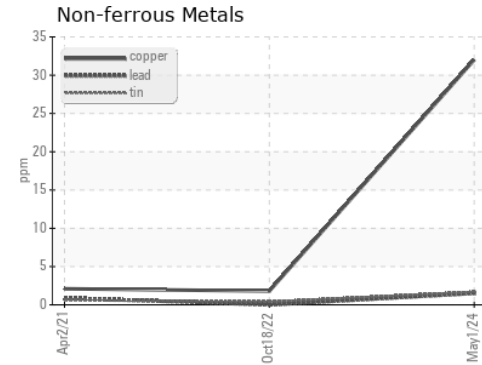
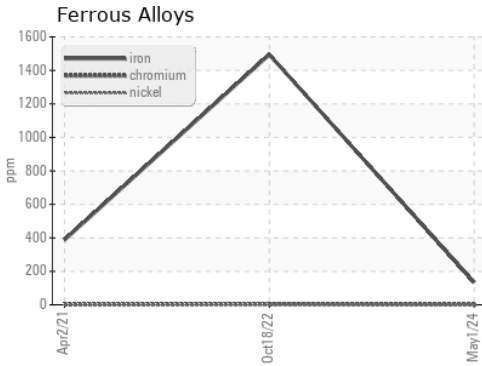
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	54.9	55.9	44.8

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. : WC0766477
Lab Number : **06181844**
Unique Number : 11033170
Test Package : CONST

Received : 16 May 2024
Tested : 17 May 2024
Diagnosed : 17 May 2024 - Wes Davis

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)