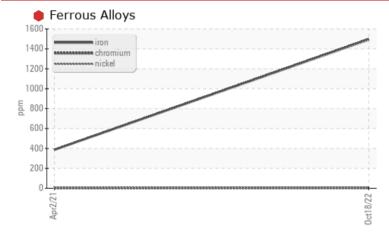


# CHECK

#### Machine Id 80-217 Component Front Differential Fluid CONOCO PHILLIPS POWERTRAN (--- GAL)

#### COMPONENT CONDITION SUMMARY



#### RECOMMENDATION

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE	NORMAL			
Iron	ppm	ASTM D5185m	>500	🛑 1494	387			

Customer Id: MANTUL Sample No.: WC0619518 Lab Number: 05679500 Test Package: MOBCE



To manage this report scan the QR code

*To discuss the diagnosis or test data:* Doug Bogart +1 (800)237-1369 x4016 <u>dougb@wearcheckusa.com</u>

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED A	RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description			
Inspect Wear Source			?	We advise that you inspect for the source(s) of wear.			
Resample			?	We recommend an early resample to monitor this condition.			

#### HISTORICAL DIAGNOSIS



#### 02 Apr 2021 Diag: Don Baldridge

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.





### **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id 80-217 Component Front Differential Fluid CONOCO PHILLIPS POWERTRAN (--- GAL)

#### DIAGNOSIS

#### Recommendation

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

#### 🛑 Wear

Gear wear is indicated.

#### Contamination

There is no indication of any contamination in the oil.

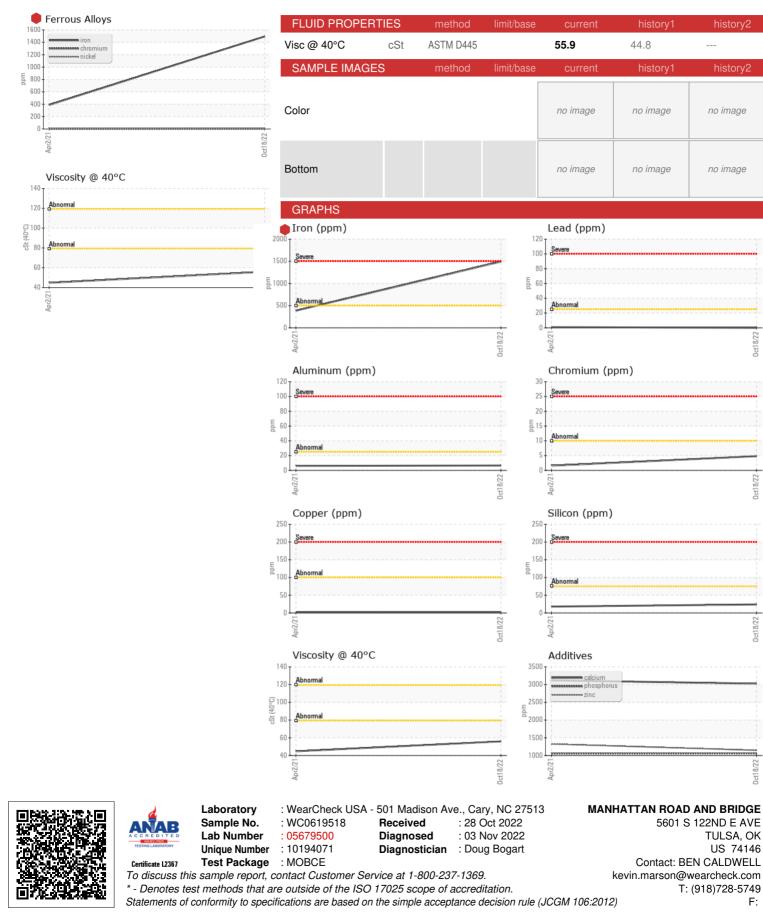
#### Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORM		mothod	limit/booo	ourropt	biotoryd	biotory?
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0619518	WC0548864	
Sample Date		Client Info		18 Oct 2022	02 Apr 2021	
Machine Age	hrs	Client Info		5863	4870	
Oil Age	hrs	Client Info		730	250	
Oil Changed		Client Info		Changed	Changed	
Sample Status				SEVERE	NORMAL	
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>•</b> 1494	387	
Chromium	ppm	ASTM D5185m	>10	5	2	
Nickel	ppm	ASTM D5185m		0	<1	
Titanium	ppm	ASTM D5185m		2	1	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	7	6	
Lead	ppm	ASTM D5185m	>25	0	<1	
Copper	ppm	ASTM D5185m	>100	2	2	
Tin	ppm	ASTM D5185m	>10	<1	<1	
Antimony	ppm	ASTM D5185m			2	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		<1	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		85	98	
Barium	ppm	ASTM D5185m		2	0	
Molybdenum	ppm	ASTM D5185m		27	11	
Manganese	ppm	ASTM D5185m		13	6	
Magnesium	ppm	ASTM D5185m		19	22	
Calcium	ppm	ASTM D5185m		3027	3119	
Phosphorus	ppm	ASTM D5185m		1061	1057	
Zinc	ppm	ASTM D5185m		1146	1325	
Sulfur	ppm	ASTM D5185m		4266	2916	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	24	18	
Sodium	ppm	ASTM D5185m		5	5	
Potassium	ppm	ASTM D5185m	>20	<1	2	
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	VLITE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	
Free Water	scalar	*Visual		NEG	ubmitted By: LA	NCE-HARMON



## **OIL ANALYSIS REPORT**



Submitted By: LANCE HARMON

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