



PROBLEM SUMMARY

Sample Rating Trend

WEAR

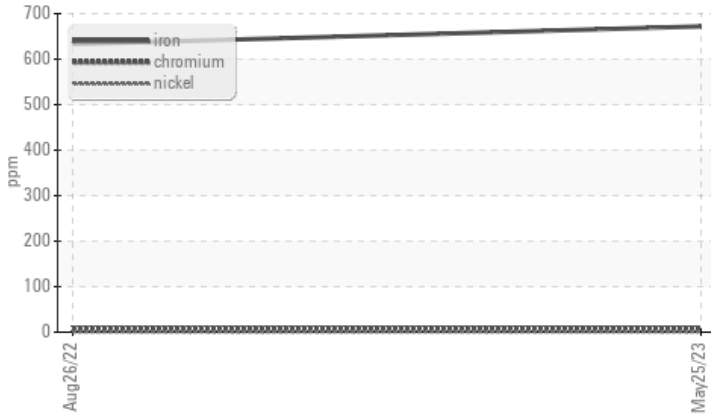


Area
[17584]
 Machine Id
20-80
 Component
Right Final Drive
 Fluid
CONOCOPHILLIPS 80W90 (--- GAL)



COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: ConocoPhillips gear oil 80w/90)

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>500	▲ 672	▲ 633	---

Customer Id: MANTUL
 Sample No.: WC0802425
 Lab Number: 05938007
 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

26 Aug 2022 Diag: Don Baldrige

WEAR



No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other 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.

view report





OIL ANALYSIS REPORT

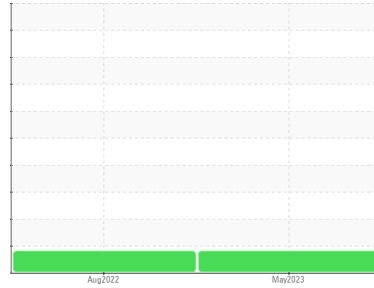
Sample Rating Trend

WEAR



Area
[17584]
Machine Id
20-80

Component
Right Final Drive
Fluid
CONOCOPHILLIPS 80W90 (--- GAL)



DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: ConocoPhillips gear oil 80w/90)

Wear

Gear wear is indicated. 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		WC0802425	WC0619275	---
Sample Date	Client Info		25 May 2023	26 Aug 2022	---
Machine Age	hrs	Client Info	6026	5538	---
Oil Age	hrs	Client Info	488	5241	---
Oil Changed	Client Info		Changed	N/A	---
Sample Status			ABNORMAL	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>500	▲ 672	▲ 633	---
Chromium	ppm	ASTM D5185m	>10	10	9	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	4	2	---
Lead	ppm	ASTM D5185m	>25	4	6	---
Copper	ppm	ASTM D5185m	>50	29	27	---
Tin	ppm	ASTM D5185m	>10	2	1	---
Vanadium	ppm	ASTM D5185m		0	<1	---
Cadmium	ppm	ASTM D5185m		0	0	---

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		3	6	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	<1	---
Manganese	ppm	ASTM D5185m		6	5	---
Magnesium	ppm	ASTM D5185m		<1	6	---
Calcium	ppm	ASTM D5185m		37	36	---
Phosphorus	ppm	ASTM D5185m		330	298	---
Zinc	ppm	ASTM D5185m		7	16	---
Sulfur	ppm	ASTM D5185m		20938	16481	---

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>75	22	16	---
Sodium	ppm	ASTM D5185m		2	2	---
Potassium	ppm	ASTM D5185m	>20	4	6	---

VISUAL

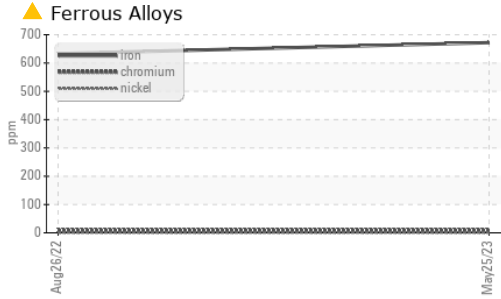
	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---
Free Water	scalar	*Visual		NEG	NEG	---

FLUID PROPERTIES

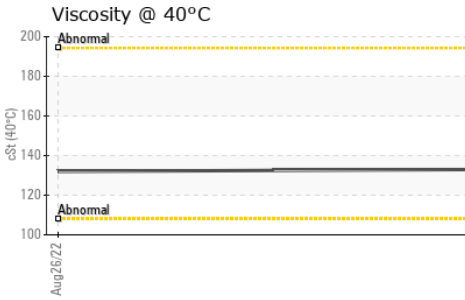
	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445		133	132	---



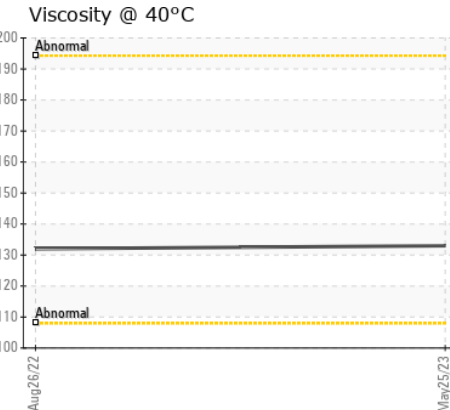
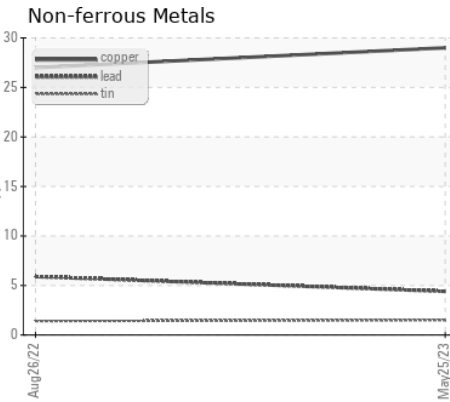
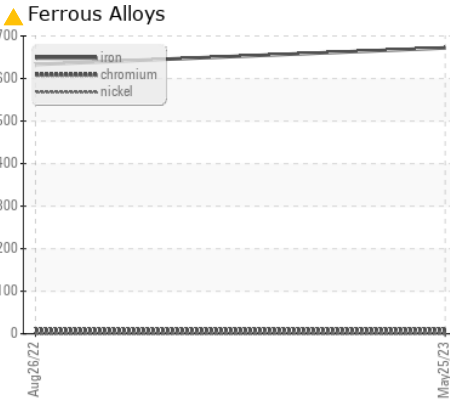
OIL ANALYSIS REPORT



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



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0802425 **Received** : 29 Aug 2023
Lab Number : **05938007** **Diagnosed** : 31 Aug 2023
Unique Number : 10628619 **Diagnostician** : Don Baldrige
Test Package : CONST

MANHATTAN ROAD AND BRIDGE
 5601 S 122ND E AVE
 TULSA, OK
 US 74146
 Contact: LANCE HARMON
 lance.harmon@manhattanrb.com
 T: (918)576-9071
 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)