

PROBLEM SUMMARY

1

Sample Rating Trend

WEAR



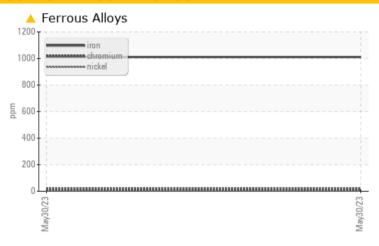


Machine Id
424048
Component

Rear Differential

GEAR OIL SAE 80W90 (--- LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS											
Sample Status				ABNORMAL							
Iron	ppm	ASTM D5185m	>870	1011							
Nickel	ppm	ASTM D5185m	>25	25							

Customer Id: GFL152 Sample No.: GFL0082040 Lab Number: 05864688 Test Package: FLEET

To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +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



OIL ANALYSIS REPORT

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Machine Id
424048
Component
Rear Differe

Rear Differential

GEAR OIL SAE 80W90 (--- LTR)





DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Gear wear is indicated.

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.

				·			
(LTR)			May2023				
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0082040			
Sample Date		Client Info		30 May 2023			
Machine Age	hrs	Client Info		0			
Oil Age	hrs	Client Info		0			
Oil Changed		Client Info		N/A			
Sample Status				ABNORMAL			
WEAR METAL	S	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>870	<u> </u>			
Chromium	ppm	ASTM D5185m	>8	7			
Nickel	ppm	ASTM D5185m	>25	<u>^</u> 25			
Titanium	ppm	ASTM D5185m		1			
Silver	ppm	ASTM D5185m		0			
Aluminum	ppm	ASTM D5185m	>40	10			
Lead	ppm	ASTM D5185m	>25	<1			
Copper	ppm	ASTM D5185m		5			
Tin	ppm	ASTM D5185m	>5	0			
Vanadium	ppm	ASTM D5185m		0			
Cadmium	ppm	ASTM D5185m		0			
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	400	68			
Barium	ppm	ASTM D5105m	200	4			
Molybdenum	ppm	ASTM D5185m	12	4			
Manganese	ppm	ASTM D5185m	12	11			
Magnesium	ppm	ASTM D5185m	12	30			
Calcium	ppm	ASTM D5185m	150	152			
Phosphorus	ppm	ASTM D5185m	1650	799			
Zinc		ASTM D5105m	125	118			
Sulfur	ppm	ASTM D5185m	22500	18873			
		method	limit/base	current	history1	history2	
Silicon		ASTM D5185m	>285	212	Tilstory	HISTOLYZ	
Sodium	ppm	ASTM D5185m		1			
Potassium	ppm	ASTM D5185m		6			
VISUAL	ррпп	method	limit/base	current	history1	history2	
White Metal	ooolor	*Visual	NONE	MODER			
Yellow Metal	scalar 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		*Visual	NORML	NORML			
Emulsified Water	scalar	*Visual		NEG			
Free Water	scalar scalar	*Visual	>.2	NEG			
FLUID PROPE	RHES	method	limit/base	current	history1	history2	

Visc @ 40°C

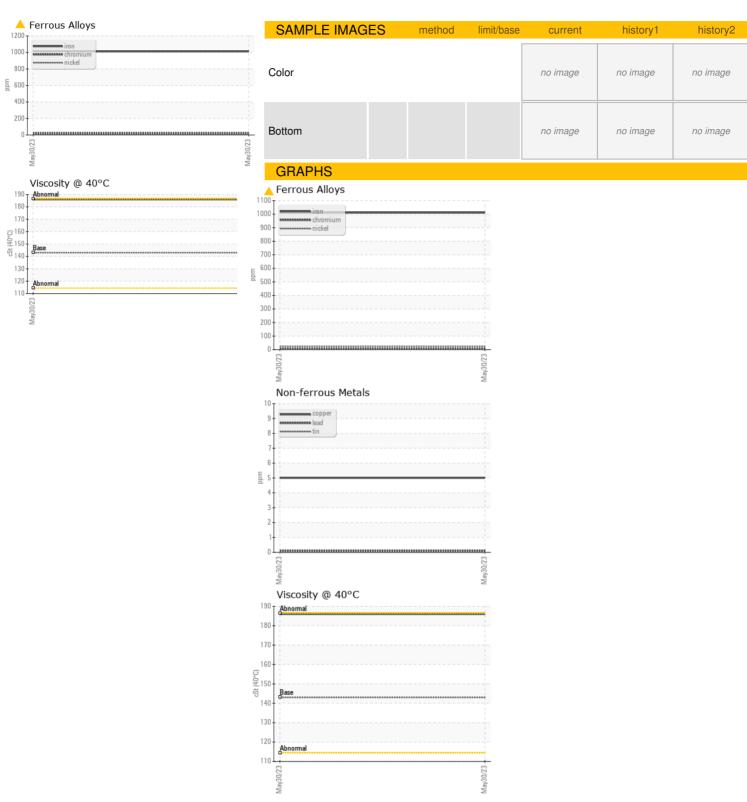
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ASTM D445 143

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OIL ANALYSIS REPORT





Certificate L2367

Laboratory Sample No.

Lab Number

: GFL0082040 : 05864688 Unique Number : 10499153 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 05 Jun 2023

Diagnosed

: 07 Jun 2023 Diagnostician : Don Baldridge

7580 PHILIPS HWY Jacksonville, FL US 32256 Contact: Chris Smith

GFL Environmental - 152 - Jacksonville

chris.smith@gflenv.com T: (904)252-0013

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)

Report Id: GFL152 [WUSCAR] 05864688 (Generated: 08/01/2023 17:18:15) Rev: 1

Contact/Location: admin GFL152 - Chris Smith - GFL152