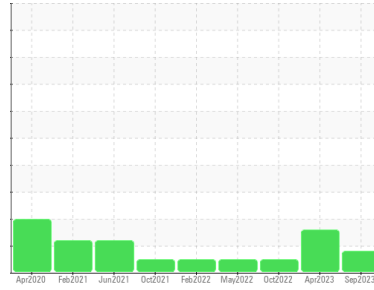


# PROBLEM SUMMARY

Sample Rating Trend



**SEDIMENT**



Machine Id  
**T281**  
 Component  
**Transmission (Auto)**  
 Fluid  
**COGNIS EMGARD 2805 ATF (32 hrs)**

## COMPONENT CONDITION SUMMARY

No relevant graphs to display

## RECOMMENDATION

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

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ABNORMAL</b>	ABNORMAL	NORMAL
Silt	scalar	*Visual	NONE	<b>▲ MODER</b>	NONE	NONE

**Customer Id:** NWWSSC  
**Sample No.:** PCA0104165  
**Lab Number:** 05966751  
**Test Package:** FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

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

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

### 10 Apr 2023 Diag: Doug Bogart

#### VISUAL METAL



We suspect abnormal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor. Moderate concentration of visible metal present. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.

view report



### 19 Oct 2022 Diag: Don Baldrige

#### NORMAL



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

view report



### 26 May 2022 Diag: Jonathan Hester

#### NORMAL



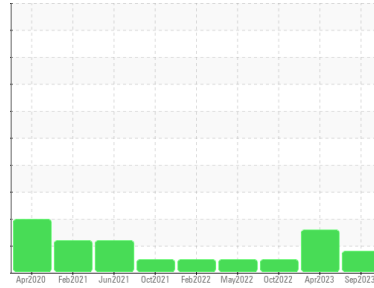
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

view report



# OIL ANALYSIS REPORT

Sample Rating Trend



**SEDIMENT**



Machine Id  
**T281**  
 Component  
**Transmission (Auto)**  
 Fluid  
**COGNIS EMGARD 2805 ATF (32 hrs)**

**DIAGNOSIS**

- Recommendation**  
 No corrective action is recommended at this time. Resample at the next service interval to monitor.
- Wear**  
 All component wear rates are normal.
- Contamination**  
 There is a moderate amount of visible silt present in the sample.
- Fluid Condition**  
 The condition of the fluid is acceptable for the time in service.

**SAMPLE INFORMATION**

method	limit/base	current	history1	history2	
Sample Number	Client Info	<b>PCA0104165</b>	PCA0092505	PCA0081240	
Sample Date	Client Info	<b>20 Sep 2023</b>	10 Apr 2023	19 Oct 2022	
Machine Age	mls	Client Info	<b>278334</b>	252778	227881
Oil Age	mls	Client Info	<b>75000</b>	75000	75000
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	Changed	
Sample Status		<b>ABNORMAL</b>	ABNORMAL	NORMAL	

**WEAR METALS**

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >160	<b>35</b>	22	72
Chromium	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m >5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m >5	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m >50	<b>16</b>	7	19
Lead	ppm	ASTM D5185m >50	<b>11</b>	10	58
Copper	ppm	ASTM D5185m >225	<b>66</b>	45	97
Tin	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	3
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

**ADDITIVES**

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	<b>83</b>	102	195
Barium	ppm	ASTM D5185m	<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185m	<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	<b>3</b>	2	<1
Calcium	ppm	ASTM D5185m	<b>130</b>	138	127
Phosphorus	ppm	ASTM D5185m	<b>257</b>	258	441
Zinc	ppm	ASTM D5185m	<b>17</b>	12	33
Sulfur	ppm	ASTM D5185m	<b>1764</b>	1833	2503

**CONTAMINANTS**

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >20	<b>14</b>	7	7
Sodium	ppm	ASTM D5185m	<b>4</b>	0	6
Potassium	ppm	ASTM D5185m >20	<b>0</b>	2	3

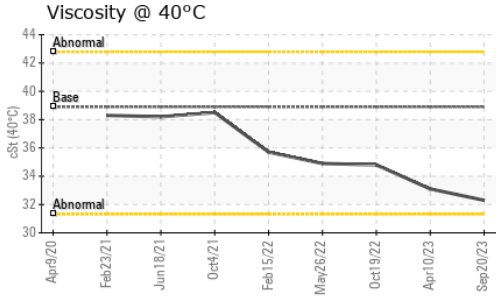
**VISUAL**

method	limit/base	current	history1	history2	
White Metal	scalar	*Visual NONE	<b>NONE</b>	▲ MODER	NONE
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	▲ <b>MODER</b>	NONE	NONE
Debris	scalar	*Visual NONE	<b>NONE</b>	▲ MODER	NONE
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual >0.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

**FLUID PROPERTIES**

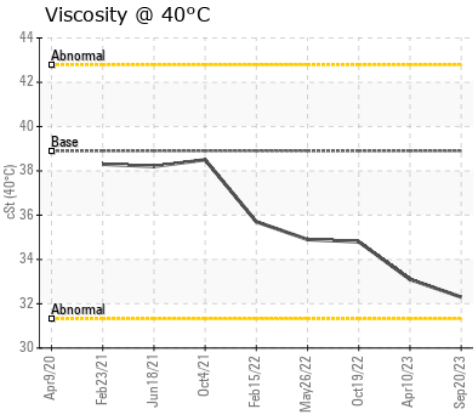
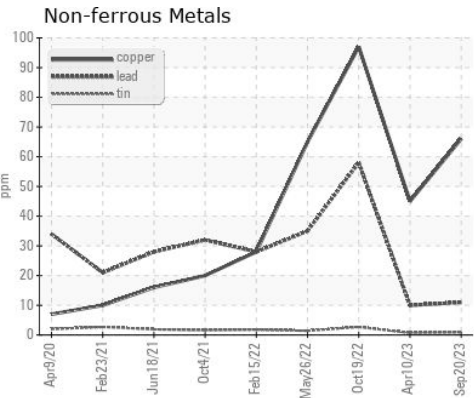
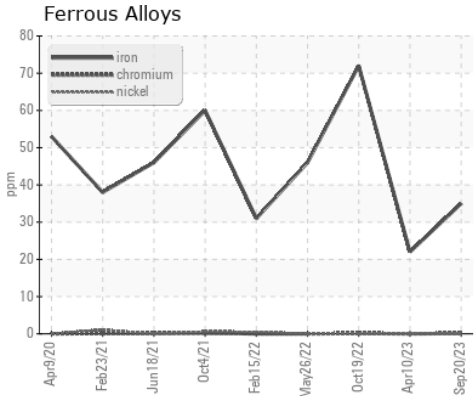
method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445 38.9	<b>32.3</b>	33.1	34.8

# 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.** : PCA0104165  
**Lab Number** : 05966751  
**Unique Number** : 10673302  
**Test Package** : FLEET

**NW WHITE & CO - SPECIAL SERVICE DIVISION**  
 100 INDEPENDENCE BLVD  
 COLUMBIA, SC  
 US 29210  
 Contact: George Edwards  
 gedwards@nwwhite.com

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)

T:  
F: