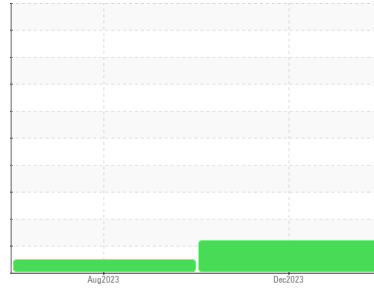


# OIL ANALYSIS REPORT

Sample Rating Trend

**VISUAL METAL**

Machine Id  
**DT642**  
 Component  
**Transmission (Auto)**  
 Fluid  
**COGNIS EMGARD 2805 ATF (--- QTS)**



## DIAGNOSIS

- Recommendation**  
We recommend you service the filters on this component. Resample at the next service interval to monitor.
- Wear**  
Moderate concentration of visible metal present. All component wear rates are normal.

**Contamination**  
There is no indication of any contamination in the fluid.

**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>PCA0111648</b>	PCA0101874	---
Sample Date	Client Info	<b>12 Dec 2023</b>	28 Aug 2023	---
Machine Age	mls	<b>0</b>	0	---
Oil Age	mls	<b>0</b>	0	---
Oil Changed	Client Info	<b>N/A</b>	N/A	---
Sample Status		<b>ABNORMAL</b>	NORMAL	---

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	<b>NEG</b>	NEG	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >160	<b>35</b>	48	---
Chromium	ppm ASTM D5185m >5	<b>&lt;1</b>	0	---
Nickel	ppm ASTM D5185m >5	<b>0</b>	<1	---
Titanium	ppm ASTM D5185m	<b>0</b>	0	---
Silver	ppm ASTM D5185m >5	<b>0</b>	0	---
Aluminum	ppm ASTM D5185m >50	<b>7</b>	6	---
Lead	ppm ASTM D5185m >50	<b>6</b>	8	---
Copper	ppm ASTM D5185m >225	<b>17</b>	13	---
Tin	ppm ASTM D5185m >10	<b>&lt;1</b>	1	---
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	0	---
Cadmium	ppm ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>106</b>	92	---
Barium	ppm ASTM D5185m	<b>0</b>	0	---
Molybdenum	ppm ASTM D5185m	<b>3</b>	0	---
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	<1	---
Magnesium	ppm ASTM D5185m	<b>0</b>	19	---
Calcium	ppm ASTM D5185m	<b>174</b>	133	---
Phosphorus	ppm ASTM D5185m	<b>246</b>	290	---
Zinc	ppm ASTM D5185m	<b>45</b>	15	---
Sulfur	ppm ASTM D5185m	<b>1775</b>	1800	---

## CONTAMINANTS

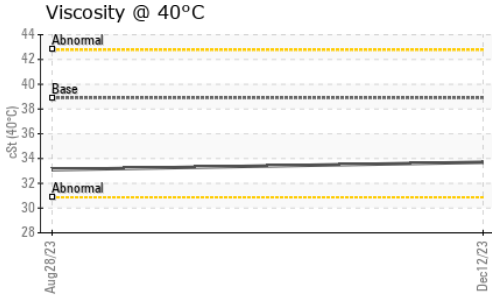
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>6</b>	4	---
Sodium	ppm ASTM D5185m	<b>2</b>	5	---
Potassium	ppm ASTM D5185m >20	<b>&lt;1</b>	2	---

## VISUAL

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



# OIL ANALYSIS REPORT



### FLUID PROPERTIES

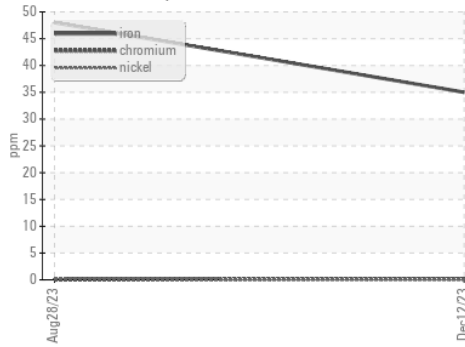
method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	38.9	33.7	33.1

### SAMPLE IMAGES

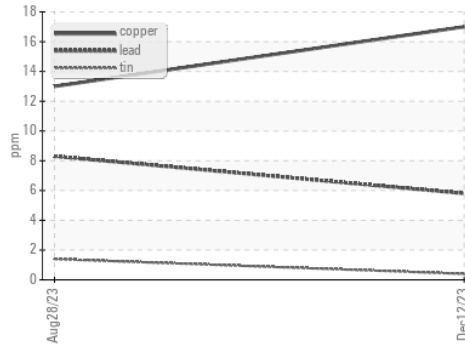
method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

### GRAPHS

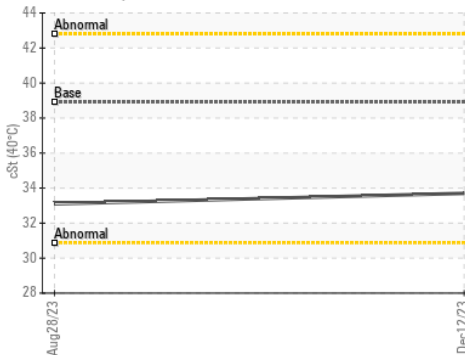
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0111648 **Recieved** : 20 Dec 2023  
**Lab Number** : **06040874** **Diagnosed** : 22 Dec 2023  
**Unique Number** : 10796103 **Diagnostician** : Don Baldrige  
**Test Package** : FLEET

**NW WHITE & CO - BEAUFORT DIVISION**  
 1491 YENMASSEE HIGHWAY  
 VARNVILLE, SC  
 US 29944  
 Contact: VINCENT BULLOCK  
 bullockvince514@gmail.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: