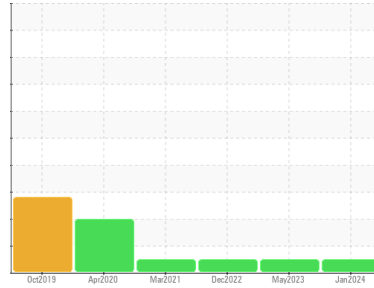


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**DT641**  
Component  
**Transmission (Auto)**  
Fluid  
**COGNIS EMGARD 2805 ATF (15 mls)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

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>PCA0111628</b>	PCA0095245	PCA0076412
Sample Date	Client Info		<b>08 Jan 2024</b>	26 May 2023	15 Dec 2022
Machine Age	mls	Client Info	<b>95585</b>	95585	95585
Oil Age	mls	Client Info	<b>74721</b>	74721	74721
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>220	<b>70</b>	60	103
Chromium	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>75	<b>24</b>	19	31
Lead	ppm	ASTM D5185m	>95	<b>40</b>	23	25
Copper	ppm	ASTM D5185m	>60	<b>36</b>	26	40
Tin	ppm	ASTM D5185m	>10	<b>3</b>	2	3
Antimony	ppm	ASTM D5185m	>2	<b>---</b>	---	---
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>123</b>	131	126
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>4</b>	5	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	1
Magnesium	ppm	ASTM D5185m		<b>23</b>	21	3
Calcium	ppm	ASTM D5185m		<b>188</b>	182	72
Phosphorus	ppm	ASTM D5185m		<b>388</b>	354	322
Zinc	ppm	ASTM D5185m		<b>107</b>	105	49
Sulfur	ppm	ASTM D5185m		<b>1615</b>	1604	989

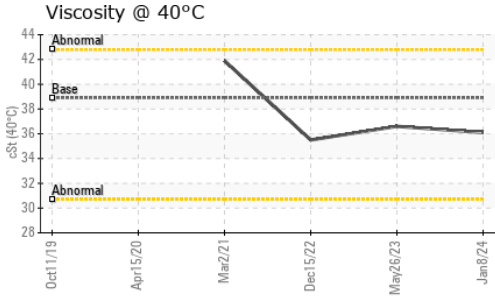
## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	<b>6</b>	6	7
Sodium	ppm	ASTM D5185m		<b>6</b>	2	2
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	3

## VISUAL

	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	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>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	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

# OIL ANALYSIS REPORT



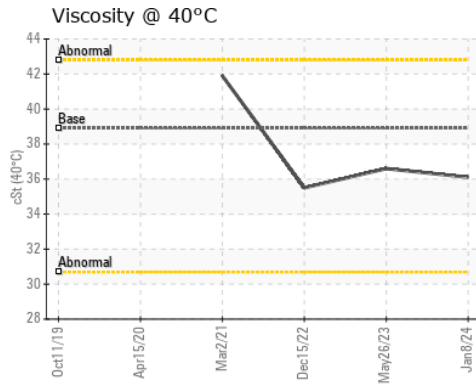
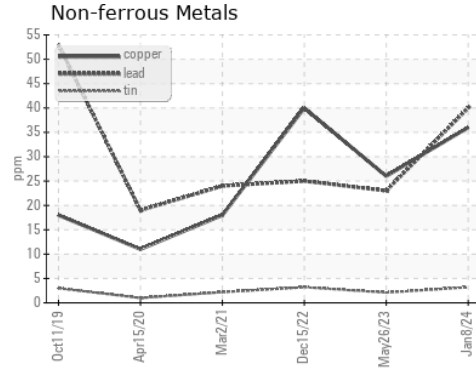
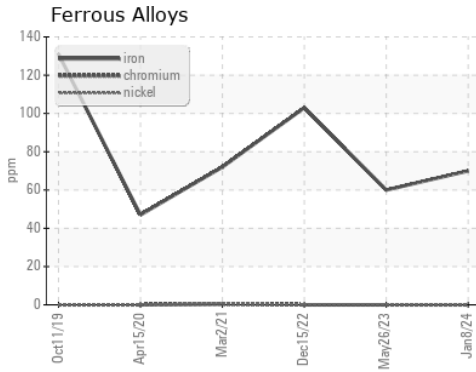
## FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	38.9	<b>36.1</b>	36.6	35.5

## SAMPLE IMAGES

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0111628 **Received** : 18 Jan 2024  
**Lab Number** : **06065235** **Diagnosed** : 19 Jan 2024  
**Unique Number** : 10836617 **Diagnostician** : Wes Davis  
**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: