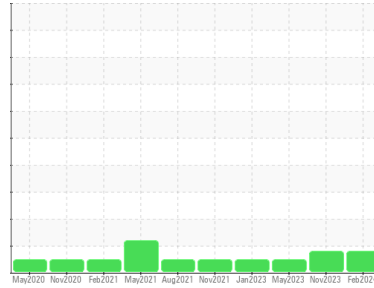


# OIL ANALYSIS REPORT

## Sample Rating Trend



**WEAR**



Machine Id  
**T305**  
 Component  
**Transmission (Auto)**  
 Fluid  
**COGNIS EMGARD 2805 ATF (--- hrs)**

### DIAGNOSIS

**▲ Recommendation**

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

**▲ Wear**

Clutch wear is indicated.

**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>PCA0116093</b>	PCA0110907	PCA0098256
Sample Date	Client Info		<b>27 Feb 2024</b>	14 Nov 2023	26 May 2023
Machine Age	mls	Client Info	<b>353191</b>	294670	294670
Oil Age	mls	Client Info	<b>75000</b>	151114	294670
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	N/A
Sample Status			<b>ABNORMAL</b>	ABNORMAL	NORMAL

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

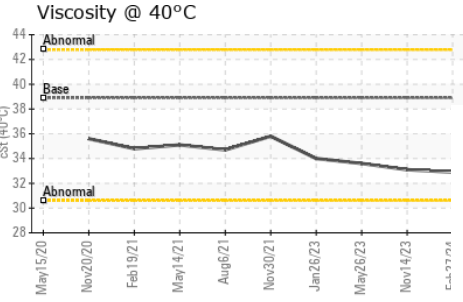
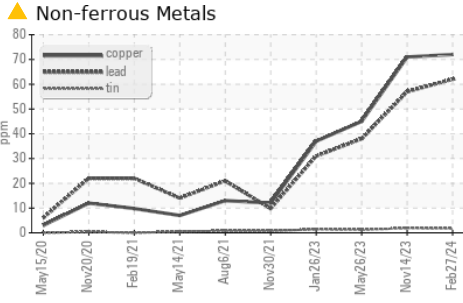
WEAR METALS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >160	<b>105</b>	105	75
Chromium	ppm	ASTM D5185m >5	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m >5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	0
Silver	ppm	ASTM D5185m >5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >50	<b>20</b>	18	15
Lead	ppm	ASTM D5185m >50	<b>▲ 62</b>	<b>▲ 57</b>	38
Copper	ppm	ASTM D5185m >225	<b>72</b>	71	45
Tin	ppm	ASTM D5185m >10	<b>2</b>	2	1
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>203</b>	276	239
Barium	ppm	ASTM D5185m	<b>0</b>	4	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	<b>&lt;1</b>	3	<1
Calcium	ppm	ASTM D5185m	<b>161</b>	163	162
Phosphorus	ppm	ASTM D5185m	<b>499</b>	545	479
Zinc	ppm	ASTM D5185m	<b>20</b>	28	12
Sulfur	ppm	ASTM D5185m	<b>3069</b>	3432	3611

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>6</b>	8	5
Sodium	ppm	ASTM D5185m	<b>11</b>	7	10
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	2	0

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



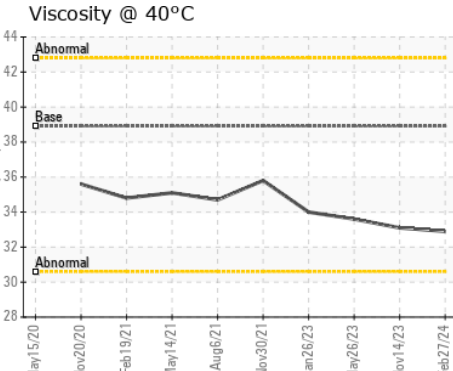
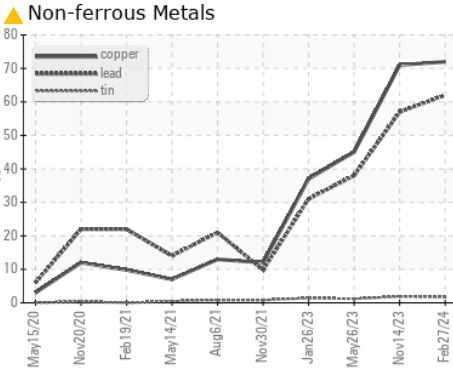
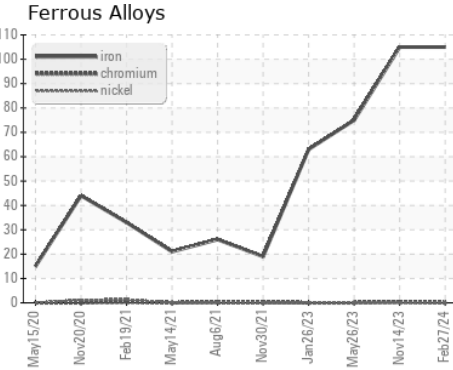
**FLUID PROPERTIES**    method    limit/base    current    history1    history2

Visc @ 40°C    cSt    ASTM D445    38.9    **32.9**    33.1    33.6

**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.** : PCA0116093    **Received** : 05 Mar 2024  
**Lab Number** : **06109031**    **Tested** : 06 Mar 2024  
**Unique Number** : 10912528    **Diagnosed** : 07 Mar 2024 - Jonathan Hester  
**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: