

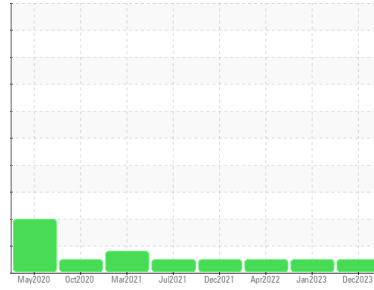
# OIL ANALYSIS REPORT

## Sample Rating Trend

**NORMAL**



Machine Id  
**T279**  
 Component  
**Transmission (Auto)**  
 Fluid  
**COGNIS EMGARD 2805 ATF (36 hrs)**



## 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 oil.

**Fluid Condition**  
 The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	<b>PCA0102218</b>	PCA0075853	PCA0071305	
Sample Date	Client Info	<b>18 Dec 2023</b>	28 Jan 2023	29 Apr 2022	
Machine Age	mls	Client Info	<b>175059</b>	150985	101151
Oil Age	mls	Client Info	<b>49987</b>	49987	49987
Oil Changed	Client Info	<b>Changed</b>	Not Changd	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 >160	<b>51</b>	12	75
Chromium	ppm ASTM D5185m >5	<b>0</b>	0	<1
Nickel	ppm ASTM D5185m >5	<b>0</b>	0	<1
Titanium	ppm ASTM D5185m	<b>0</b>	0	0
Silver	ppm ASTM D5185m >5	<b>0</b>	0	<1
Aluminum	ppm ASTM D5185m >50	<b>18</b>	3	31
Lead	ppm ASTM D5185m >50	<b>7</b>	7	59
Copper	ppm ASTM D5185m >225	<b>43</b>	9	45
Tin	ppm ASTM D5185m >10	<b>2</b>	<1	4
Antimony	ppm ASTM D5185m	<b>---</b>	---	---
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>80</b>	102	204
Barium	ppm ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m	<b>0</b>	0	<1
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	<1	1
Magnesium	ppm ASTM D5185m	<b>0</b>	1	0
Calcium	ppm ASTM D5185m	<b>110</b>	126	143
Phosphorus	ppm ASTM D5185m	<b>232</b>	254	459
Zinc	ppm ASTM D5185m	<b>19</b>	11	43
Sulfur	ppm ASTM D5185m	<b>1944</b>	1770	2102

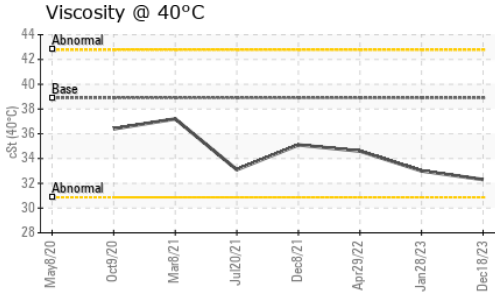
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>4</b>	4	6
Sodium	ppm ASTM D5185m	<b>4</b>	2	9
Potassium	ppm ASTM D5185m >20	<b>0</b>	0	2

## 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

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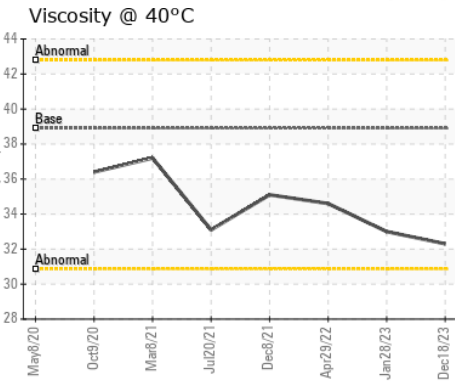
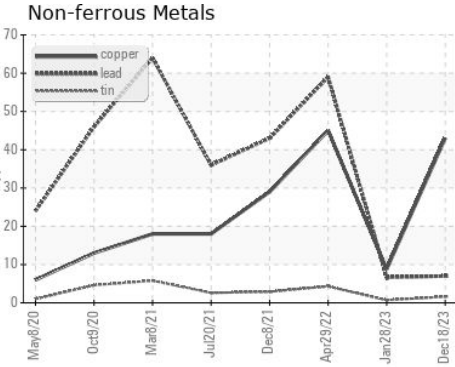
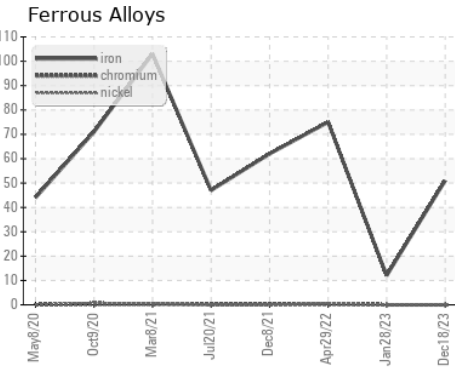
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	38.9	<b>32.3</b>	33.0 34.6

### 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.** : PCA0102218  
**Lab Number** : **06042751**  
**Unique Number** : 10803359  
**Test Package** : FLEET

**NW WHITE & CO - COLUMBIA 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: