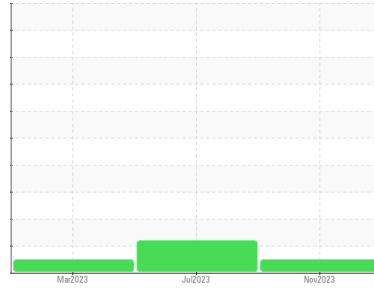


# OIL ANALYSIS REPORT

## Sample Rating Trend

**NORMAL**



Machine Id  
**DT837**  
Component  
**Transmission (Auto)**  
Fluid  
**COGNIS EMGARD 2805 ATF (--- QTS)**

## 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>PCA0101850</b>	PCA0095269	PCA0087492
Sample Date	Client Info		<b>22 Nov 2023</b>	05 Jul 2023	01 Mar 2023
Machine Age	mls	Client Info	<b>0</b>	0	0
Oil Age	mls	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</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	>220	<b>68</b>	57	39
Chromium	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>75	<b>20</b>	16	12
Lead	ppm	ASTM D5185m	>95	<b>7</b>	5	5
Copper	ppm	ASTM D5185m	>60	<b>27</b>	21	15
Tin	ppm	ASTM D5185m	>10	<b>3</b>	3	2
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		<b>47</b>	62	61
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	1	1
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	1
Calcium	ppm	ASTM D5185m		<b>121</b>	126	124
Phosphorus	ppm	ASTM D5185m		<b>208</b>	211	211
Zinc	ppm	ASTM D5185m		<b>0</b>	<1	7
Sulfur	ppm	ASTM D5185m		<b>1670</b>	1986	1855

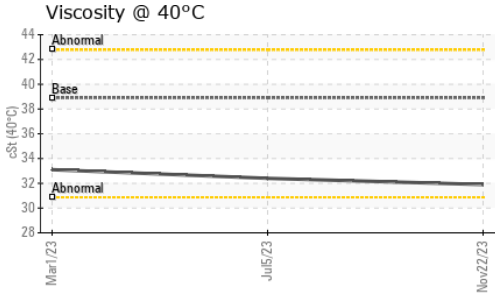
## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	<b>5</b>	5	5
Sodium	ppm	ASTM D5185m		<b>5</b>	6	1
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	1	4

## VISUAL

	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	▲ MODER	VLITE
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	LIGHT
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



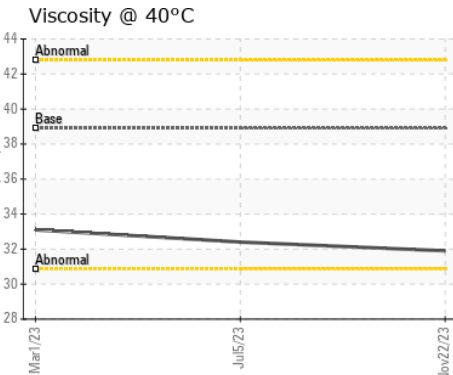
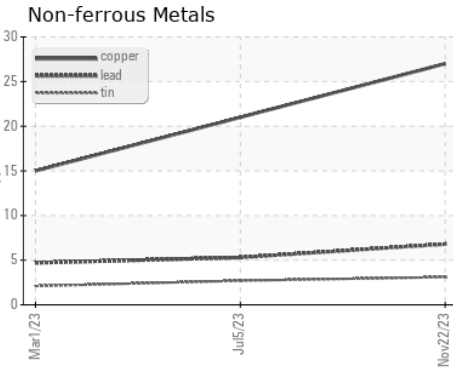
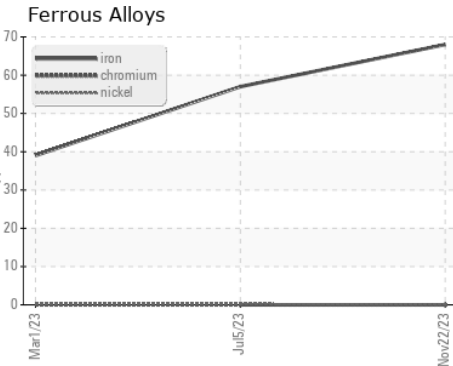
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	38.9	32.4	33.1

### 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.** : PCA0101850 **Received** : 12 Dec 2023  
**Lab Number** : **06032970** **Diagnosed** : 15 Dec 2023  
**Unique Number** : 10782761 **Diagnostician** : Don Baldrige  
**Test Package** : FLEET

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

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)