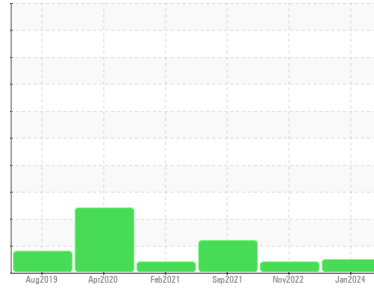


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**DT637**  
Component  
**Transmission (Auto)**  
Fluid  
**COGNIS EMGARD 2805 ATF (42 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>PCA0089177</b>	PCA0080453	PCA0050643
Sample Date	Client Info		<b>16 Jan 2024</b>	03 Nov 2022	01 Sep 2021
Machine Age	mls	Client Info	<b>232545</b>	192431	0
Oil Age	mls	Client Info	<b>71752</b>	31638	0
Oil Changed	Client Info		<b>Changed</b>	Not Changd	Not Changd
Sample Status			<b>NORMAL</b>	ABNORMAL	ABNORMAL

## 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>56</b>	53	95
Chromium	ppm	ASTM D5185m	>2	<b>0</b>	<1	<1
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	>75	<b>16</b>	22	50
Lead	ppm	ASTM D5185m	>95	<b>2</b>	4	28
Copper	ppm	ASTM D5185m	>60	<b>16</b>	10	24
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	3
Antimony	ppm	ASTM D5185m	>2	<b>---</b>	---	0
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>73</b>	90	104
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	1
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	1	3
Calcium	ppm	ASTM D5185m		<b>118</b>	116	107
Phosphorus	ppm	ASTM D5185m		<b>219</b>	224	306
Zinc	ppm	ASTM D5185m		<b>0</b>	0	12
Sulfur	ppm	ASTM D5185m		<b>1679</b>	1731	711

## CONTAMINANTS

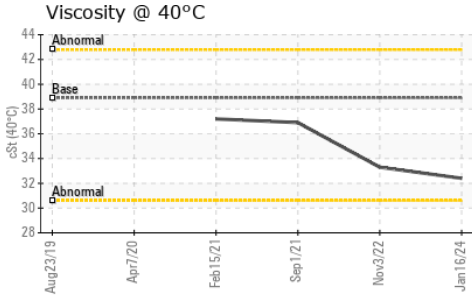
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	<b>7</b>	12	6
Sodium	ppm	ASTM D5185m		<b>2</b>	2	4
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	1

## VISUAL

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



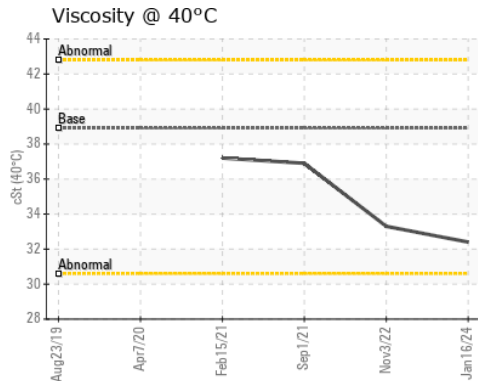
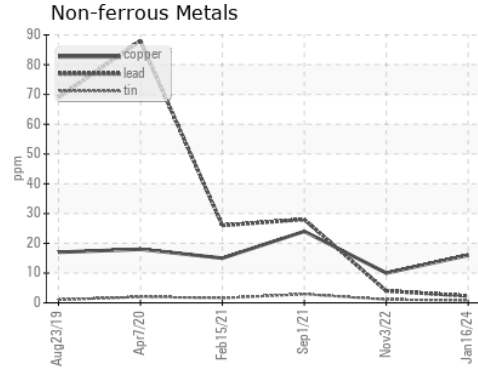
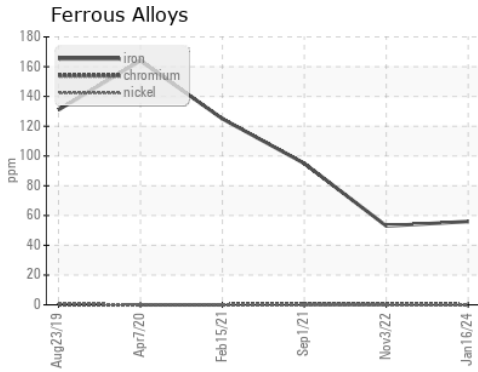
## FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	38.9	<b>32.4</b>	33.3	36.9

## SAMPLE IMAGES

method	limit/base	current	history1	history2
Color		<i>no image</i>	<i>no image</i>	<i>no image</i>
Bottom		<i>no image</i>	<i>no image</i>	<i>no image</i>

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0089177  
**Lab Number** : 06105645  
**Unique Number** : 10903875  
**Test Package** : FLEET

**Received** : 29 Feb 2024  
**Tested** : 02 Mar 2024  
**Diagnosed** : 04 Mar 2024 - Sean Felton

**NW WHITE & CO - GREER DIVISION**  
 1060 ROGERS BRIDGE RD  
 DUNCAN, SC  
 US 29334  
 Contact: Matt Quinlan  
 mquinlan@nwwhite.com  
 T: (864)905-8506  
 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)