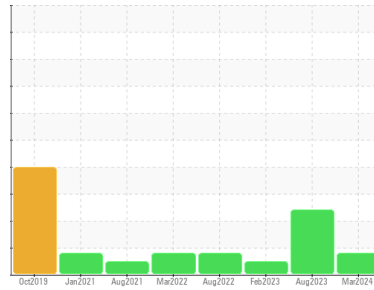


# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**DT629**  
Component  
**Transmission (Auto)**  
Fluid  
**COGNIS EMGARD 2805 ATF (42 mls)**

## DIAGNOSIS

### Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

The copper level is abnormal. All other 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>PCA0113242</b>	PCA0103253	PCA0091234
Sample Date	Client Info			<b>27 Mar 2024</b>	28 Aug 2023	14 Feb 2023
Machine Age	mls	Client Info		<b>289501</b>	268894	239043
Oil Age	mls	Client Info		<b>233971</b>	213364	25679
Oil Changed	Client Info			<b>Changed</b>	Not Changd	Not Changd
Sample Status				<b>ABNORMAL</b>	ATTENTION	NORMAL

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

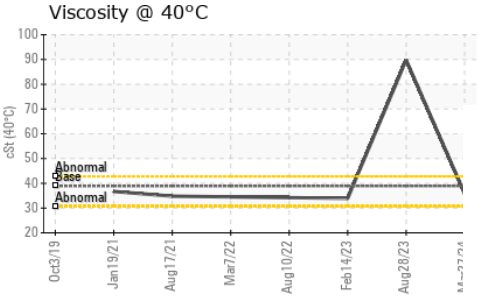
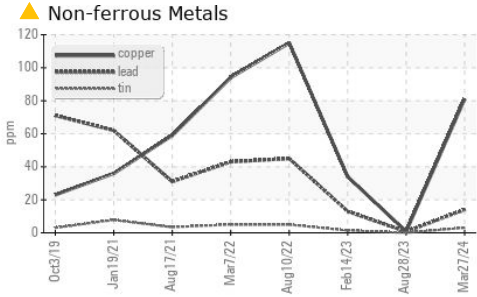
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>220	<b>78</b>	52	49
Chromium	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>75	<b>35</b>	3	15
Lead	ppm	ASTM D5185m	>95	<b>14</b>	<1	13
Copper	ppm	ASTM D5185m	>60	<b>81</b>	<1	34
Tin	ppm	ASTM D5185m	>10	<b>3</b>	0	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>120</b>	5	122
Barium	ppm	ASTM D5185m		<b>0</b>	4	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	1
Manganese	ppm	ASTM D5185m		<b>1</b>	1	<1
Magnesium	ppm	ASTM D5185m		<b>10</b>	11	10
Calcium	ppm	ASTM D5185m		<b>147</b>	3081	159
Phosphorus	ppm	ASTM D5185m		<b>332</b>	1057	326
Zinc	ppm	ASTM D5185m		<b>70</b>	1284	66
Sulfur	ppm	ASTM D5185m		<b>2497</b>	10822	2285

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>7</b>	6	5
Sodium	ppm	ASTM D5185m		<b>6</b>	0	4
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	<1

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	VLITE
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



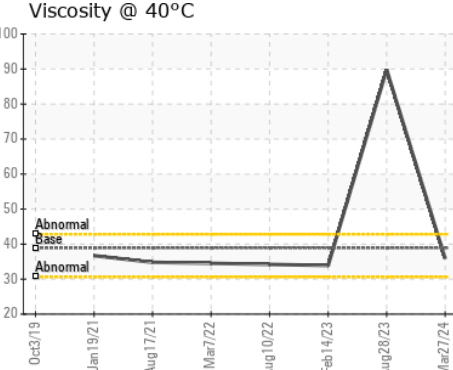
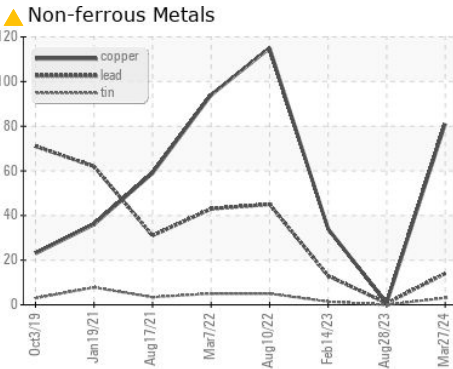
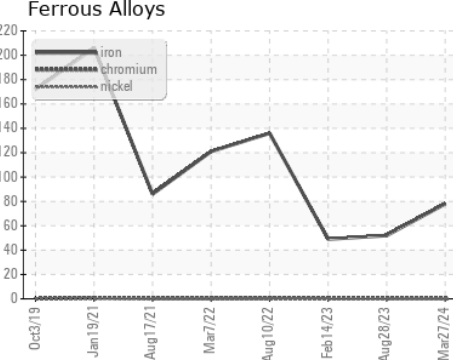
**FLUID PROPERTIES**    method    limit/base    current    history1    history2

Visc @ 40°C    cSt    ASTM D445    38.9    **35.9**    ● 89.8    33.9

**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.** : PCA0113242  
**Lab Number** : **06150818**  
**Unique Number** : 10980896  
**Test Package** : FLEET

**Received** : 16 Apr 2024  
**Tested** : 17 Apr 2024  
**Diagnosed** : 18 Apr 2024 - Sean Felton

**NW WHITE & CO - ANDERSON DIVISION**  
 2605 RIVER RD  
 PIEDMONT, SC  
 US 29673  
 Contact: James Threatt  
 jthreatt@nwwhite.com  
 T: (864)918-4646  
 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)