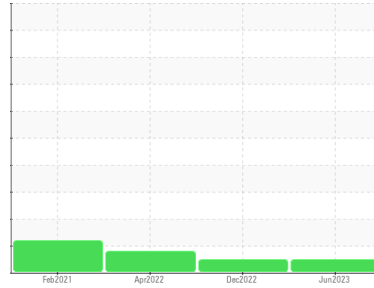


# OIL ANALYSIS REPORT

## Sample Rating Trend

**NORMAL**



Machine Id  
**T269**  
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 oil.

#### Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history 1	history 2
Sample Number	Client Info			<b>PCA0096997</b>	PCA0080918	PCA0068113
Sample Date	Client Info			<b>20 Jun 2023</b>	12 Dec 2022	30 Apr 2022
Machine Age	mls	Client Info		<b>129554</b>	104886	79748
Oil Age	mls	Client Info		<b>104416</b>	25138	79748
Oil Changed	Client Info			<b>Not Chngd</b>	Not Chngd	Changed
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

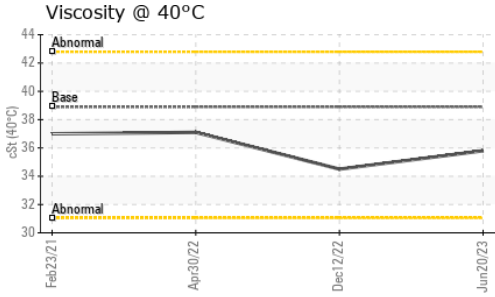
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>160	<b>67</b>	60	115
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>21</b>	20	33
Lead	ppm	ASTM D5185m	>50	<b>40</b>	39	▲ 71
Copper	ppm	ASTM D5185m	>225	<b>35</b>	27	18
Tin	ppm	ASTM D5185m	>10	<b>2</b>	4	4
Antimony	ppm	ASTM D5185m		<b>---</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m		<b>103</b>	114	97
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>1</b>	2	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	1	3
Magnesium	ppm	ASTM D5185m		<b>6</b>	8	0
Calcium	ppm	ASTM D5185m		<b>118</b>	119	32
Phosphorus	ppm	ASTM D5185m		<b>311</b>	312	270
Zinc	ppm	ASTM D5185m		<b>72</b>	67	85
Sulfur	ppm	ASTM D5185m		<b>1832</b>	1535	583

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

VISUAL		method	limit/base	current	history 1	history 2
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

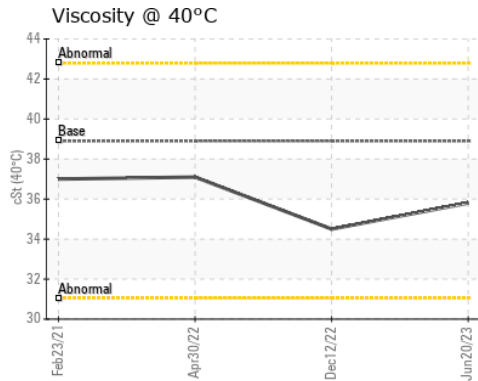
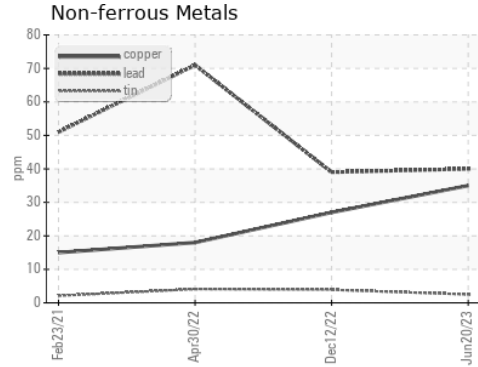
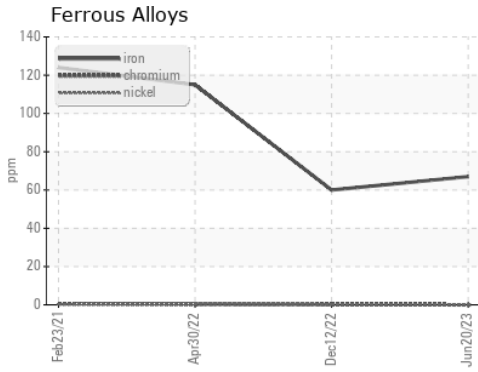


FLUID PROPERTIES		method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	38.9	<b>35.8</b>	34.5	37.1

SAMPLE IMAGES		method	limit/base	current	history 1	history 2
---------------	--	--------	------------	---------	-----------	-----------

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.** : PCA0096997  
**Lab Number** : 05889484  
**Unique Number** : 10539967  
**Test Package** : FLEET

**Received** : 03 Jul 2023  
**Diagnosed** : 06 Jul 2023  
**Diagnostician** : Angela Borella

**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)