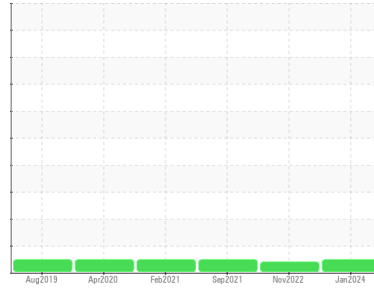


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**DT637**  
Component  
**Rear Differential**  
Fluid  
**CHEVRON RPM SYNTHETIC GEAR 75W90 (3 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 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>PCA0089179</b>	PCA0080451	PCA0050645
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	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >1200	<b>469</b>	329	246
Chromium	ppm	ASTM D5185m >8	<b>4</b>	2	2
Nickel	ppm	ASTM D5185m >20	<b>12</b>	11	8
Titanium	ppm	ASTM D5185m >4	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >30	<b>16</b>	39	32
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	2
Copper	ppm	ASTM D5185m >50	<b>&lt;1</b>	1	<1
Tin	ppm	ASTM D5185m >5	<b>0</b>	0	0
Antimony	ppm	ASTM D5185m >5	<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	<1
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	<1

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>173</b>	193	202
Barium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>4</b>	2	2
Manganese	ppm	ASTM D5185m	<b>4</b>	4	2
Magnesium	ppm	ASTM D5185m	<b>26</b>	13	11
Calcium	ppm	ASTM D5185m	<b>54</b>	34	38
Phosphorus	ppm	ASTM D5185m	<b>1411</b>	1264	1292
Zinc	ppm	ASTM D5185m	<b>47</b>	26	28
Sulfur	ppm	ASTM D5185m	<b>24163</b>	25056	20677

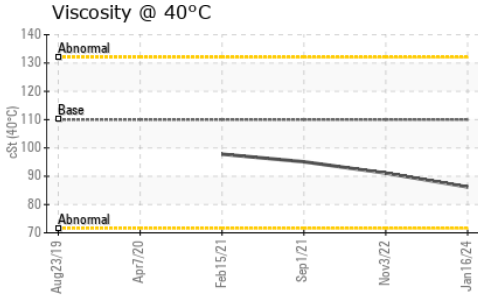
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >230	<b>108</b>	172	134
Sodium	ppm	ASTM D5185m	<b>2</b>	4	4
Potassium	ppm	ASTM D5185m >20	<b>2</b>	2	21

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	LIGHT
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	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 >.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

# OIL ANALYSIS REPORT



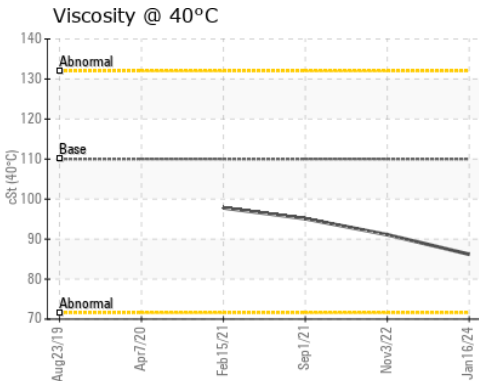
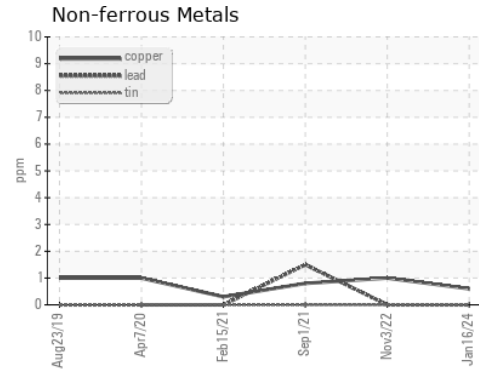
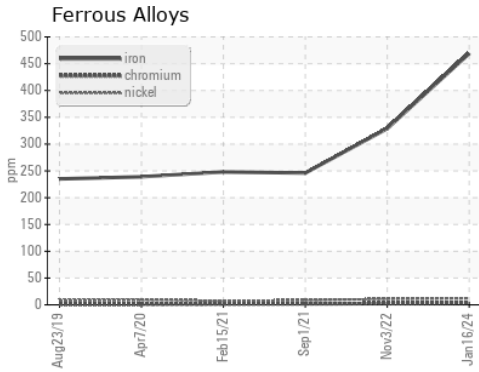
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 110	<b>86.2</b>	91.1	95.1

### 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.** : PCA0089179      **Received** : 29 Feb 2024  
**Lab Number** : 06105528      **Tested** : 01 Mar 2024  
**Unique Number** : 10903758      **Diagnosed** : 04 Mar 2024 - Don Baldrige  
**Test Package** : FLEET

**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)