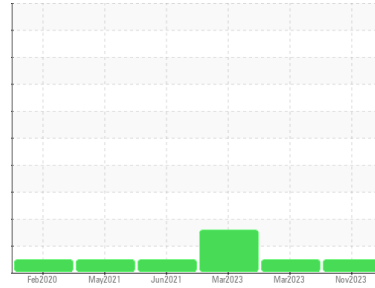


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id

**DT672**

Component

**Front 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>PCA0089161</b>	PCA0074058	PCA0089265	
Sample Date	Client Info	<b>09 Nov 2023</b>	31 Mar 2023	23 Mar 2023	
Machine Age	mls	Client Info	<b>177956</b>	155648	154921
Oil Age	mls	Client Info	<b>23035</b>	78821	78094
Oil Changed	Client Info	<b>Not Changed</b>	Changed	Changed	
Sample Status		<b>NORMAL</b>	NORMAL	ABNORMAL	

### 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 >500	<b>61</b>	62	320
Chromium	ppm ASTM D5185m >10	<b>0</b>	<1	2
Nickel	ppm ASTM D5185m >10	<b>0</b>	0	0
Titanium	ppm ASTM D5185m	<b>0</b>	0	<1
Silver	ppm ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >25	<b>2</b>	2	7
Lead	ppm ASTM D5185m >25	<b>0</b>	0	0
Copper	ppm ASTM D5185m >100	<b>0</b>	0	3
Tin	ppm ASTM D5185m >10	<b>0</b>	<1	<1
Antimony	ppm ASTM D5185m >5	<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	history1	history2
Boron	ppm ASTM D5185m	<b>203</b>	264	236
Barium	ppm ASTM D5185m	<b>0</b>	0	<1
Molybdenum	ppm ASTM D5185m	<b>10</b>	8	<1
Manganese	ppm ASTM D5185m	<b>2</b>	4	19
Magnesium	ppm ASTM D5185m	<b>105</b>	93	<1
Calcium	ppm ASTM D5185m	<b>156</b>	133	8
Phosphorus	ppm ASTM D5185m	<b>1419</b>	1383	1382
Zinc	ppm ASTM D5185m	<b>170</b>	150	21
Sulfur	ppm ASTM D5185m	<b>22953</b>	26581	27227

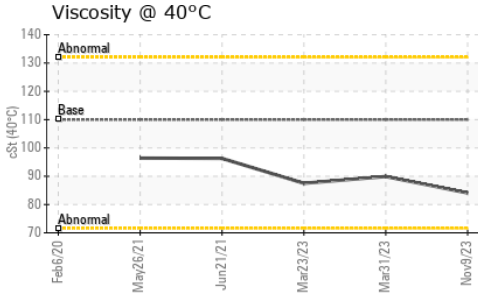
### CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	<b>8</b>	16	▲ 78
Sodium	ppm ASTM D5185m	<b>&lt;1</b>	1	6
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	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>	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 >.2	<b>NEG</b>	NEG	NEG
Free Water	scalar *Visual	<b>NEG</b>	NEG	NEG

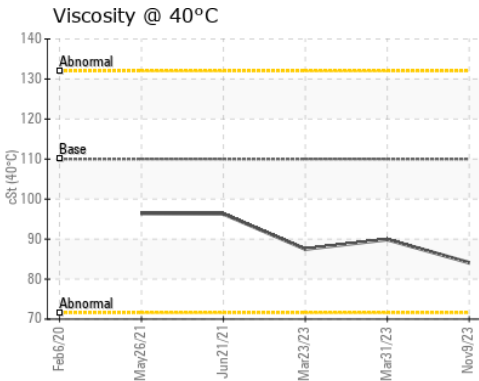
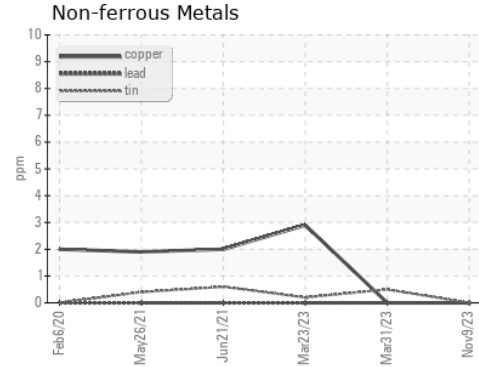
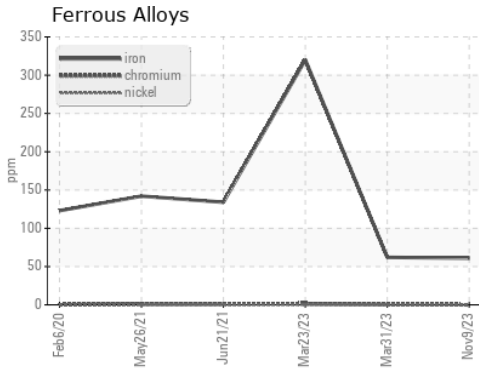
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 110	<b>84.1</b>	89.9	87.5

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.** : PCA0089161      **Received** : 29 Feb 2024  
**Lab Number** : 06105523      **Tested** : 02 Mar 2024  
**Unique Number** : 10903753      **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)