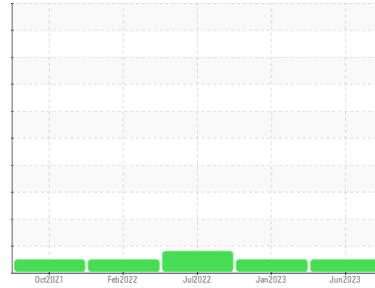


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**DT777**

Component  
**Front Axle**

Fluid  
**CHEVRON RPM SYNTHETIC GEAR 75W90 (--- GAL)**

### 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>PCA0100018</b>	PCA0084961	PCA0075868	
Sample Date	Client Info	<b>22 Jun 2023</b>	31 Jan 2023	01 Jul 2022	
Machine Age	mls	Client Info	<b>124346</b>	99138	0
Oil Age	mls	Client Info	<b>124346</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	Not Changd	N/A	
Sample Status		<b>NORMAL</b>	NORMAL	ABNORMAL	

### WEAR METALS

method	limit/base	current	history 1	history 2	
Iron	ppm	ASTM D5185m >500	<b>88</b>	62	148
Chromium	ppm	ASTM D5185m >10	<b>1</b>	<1	1
Nickel	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m	<b>1</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>6</b>	<1	1
Lead	ppm	ASTM D5185m >25	<b>1</b>	0	<1
Copper	ppm	ASTM D5185m >50	<b>17</b>	13	▲ 54
Tin	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	1
Antimony	ppm	ASTM D5185m >5	<b>---</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0

### ADDITIVES

method	limit/base	current	history 1	history 2	
Boron	ppm	ASTM D5185m	<b>213</b>	230	242
Barium	ppm	ASTM D5185m	<b>0</b>	0	4
Molybdenum	ppm	ASTM D5185m	<b>18</b>	19	<1
Manganese	ppm	ASTM D5185m	<b>6</b>	5	17
Magnesium	ppm	ASTM D5185m	<b>96</b>	88	<1
Calcium	ppm	ASTM D5185m	<b>188</b>	193	11
Phosphorus	ppm	ASTM D5185m	<b>1241</b>	1223	1416
Zinc	ppm	ASTM D5185m	<b>155</b>	147	15
Sulfur	ppm	ASTM D5185m	<b>23712</b>	23459	28843

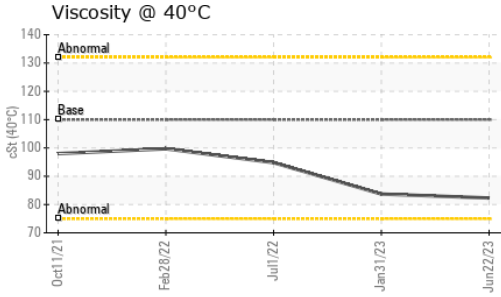
### CONTAMINANTS

method	limit/base	current	history 1	history 2	
Silicon	ppm	ASTM D5185m >75	<b>32</b>	23	65
Sodium	ppm	ASTM D5185m	<b>3</b>	0	5
Potassium	ppm	ASTM D5185m >20	<b>4</b>	0	1

### VISUAL

method	limit/base	current	history 1	history 2	
White Metal	scalar	*Visual NONE	<b>NONE</b>	MODER	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>MODER</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 >0.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

# OIL ANALYSIS REPORT

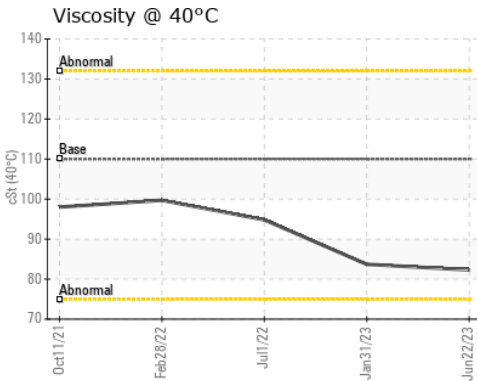
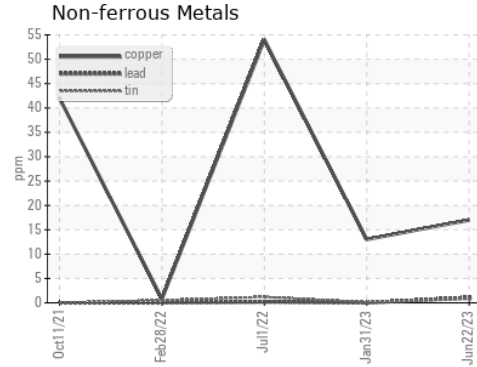
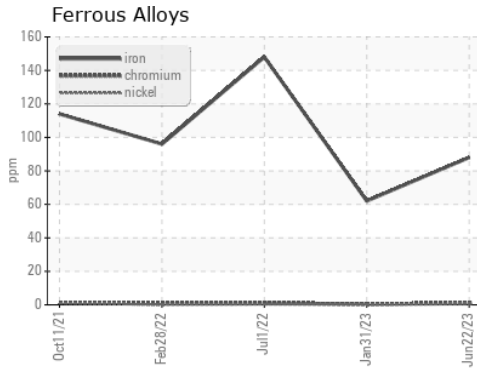


FLUID PROPERTIES		method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	110	<b>82.3</b>	83.7	94.8

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.** : PCA0100018 **Received** : 27 Jun 2023  
**Lab Number** : 05884737 **Diagnosed** : 30 Jun 2023  
**Unique Number** : 10535220 **Diagnostician** : Jonathan Hester  
**Test Package** : FLEET

**NW WHITE & CO - COLUMBIA DIVISION**  
 100 INDEPENDENCE BLVD  
 COLUMBIA, SC  
 US 29210  
 Contact: GEORGE EDWARDS  
 gedwards@nwwhite.com

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)

T:  
F: