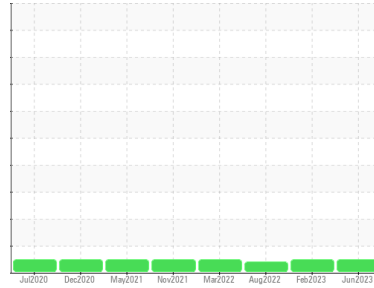


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**DT712**

Component  
**Rear Differential**

Fluid  
**CHEVRON DELO 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>PCA0100001</b>	PCA0087381	PCA0079599	
Sample Date	Client Info	<b>27 Jun 2023</b>	07 Feb 2023	09 Aug 2022	
Machine Age	mls	Client Info	<b>202730</b>	177774	127261
Oil Age	mls	Client Info	<b>0</b>	75254	75254
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	N/A	
Sample Status		<b>NORMAL</b>	NORMAL	MARGINAL	

## WEAR METALS

method	limit/base	current	history 1	history 2	
Iron	ppm	ASTM D5185m >500	<b>113</b>	71	20
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>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185m >25	<b>&lt;1</b>	0	1
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >100	<b>&lt;1</b>	<1	3
Tin	ppm	ASTM D5185m >10	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	<1
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	<1

## ADDITIVES

method	limit/base	current	history 1	history 2	
Boron	ppm	ASTM D5185m 203	<b>301</b>	254	243
Barium	ppm	ASTM D5185m 109	<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185m 0.4	<b>10</b>	8	8
Manganese	ppm	ASTM D5185m	<b>4</b>	2	1
Magnesium	ppm	ASTM D5185m 0	<b>96</b>	78	79
Calcium	ppm	ASTM D5185m 33	<b>245</b>	203	217
Phosphorus	ppm	ASTM D5185m 1352	<b>1505</b>	1272	1364
Zinc	ppm	ASTM D5185m 11	<b>183</b>	155	168
Sulfur	ppm	ASTM D5185m 21170	<b>24093</b>	19354	22945

## CONTAMINANTS

method	limit/base	current	history 1	history 2	
Silicon	ppm	ASTM D5185m >75	<b>14</b>	8	8
Sodium	ppm	ASTM D5185m	<b>0</b>	0	2
Potassium	ppm	ASTM D5185m >20	<b>2</b>	2	<1

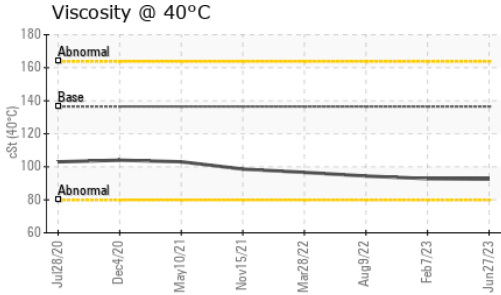
## VISUAL

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	▲ MODER
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

## FLUID PROPERTIES

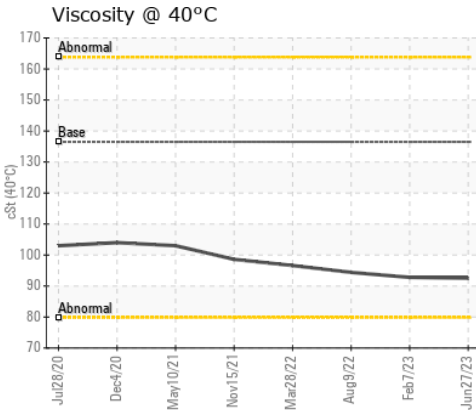
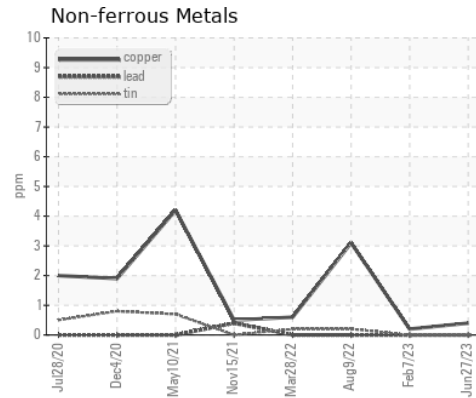
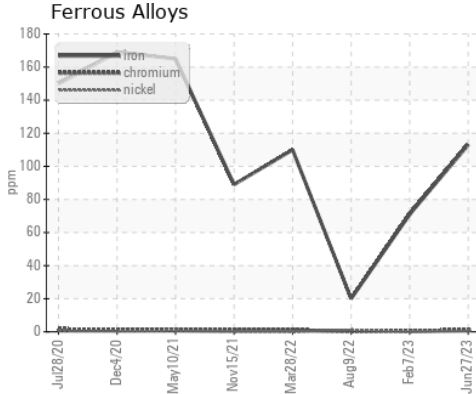
method	limit/base	current	history 1	history 2	
Visc @ 40°C	cSt	ASTM D445 136.5	<b>92.5</b>	92.8	94.4

# OIL ANALYSIS REPORT



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.** : PCA0100001 **Received** : 10 Jul 2023  
**Lab Number** : **05894044** **Diagnosed** : 11 Jul 2023  
**Unique Number** : 10549854 **Diagnostician** : Sean Felton  
**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: