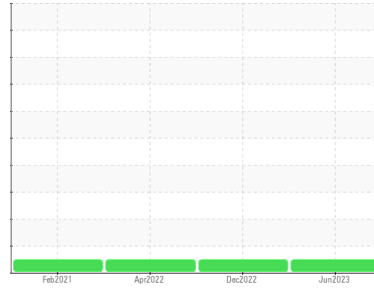


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**T269**

Component  
**Rear Differential**

Fluid  
**CHEVRON DELO SYNTHETIC GEAR 75W90 (--- 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>PCA0096996</b>	PCA0080916	PCA0068111	
Sample Date	Client Info	<b>24 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	NORMAL	

## WEAR METALS

method	limit/base	current	history 1	history 2	
Iron	ppm	ASTM D5185m >500	<b>81</b>	51	146
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185m >10	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m >25	<b>6</b>	5	2
Lead	ppm	ASTM D5185m >25	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m >100	<b>&lt;1</b>	<1	2
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>0</b>	0	0

## ADDITIVES

method	limit/base	current	history 1	history 2	
Boron	ppm	ASTM D5185m	<b>215</b>	205	253
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>18</b>	19	<1
Manganese	ppm	ASTM D5185m	<b>3</b>	2	13
Magnesium	ppm	ASTM D5185m	<b>152</b>	157	<1
Calcium	ppm	ASTM D5185m	<b>220</b>	232	8
Phosphorus	ppm	ASTM D5185m	<b>1419</b>	1415	1446
Zinc	ppm	ASTM D5185m	<b>229</b>	242	17
Sulfur	ppm	ASTM D5185m	<b>25689</b>	25056	22043

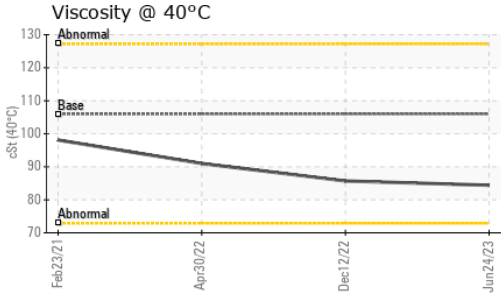
## CONTAMINANTS

method	limit/base	current	history 1	history 2	
Silicon	ppm	ASTM D5185m >75	<b>21</b>	11	34
Sodium	ppm	ASTM D5185m	<b>3</b>	3	5
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	1	<1

## VISUAL

method	limit/base	current	history 1	history 2	
White Metal	scalar	*Visual NONE	<b>MODER</b>	LIGHT	VLITE
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>	LIGHT	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



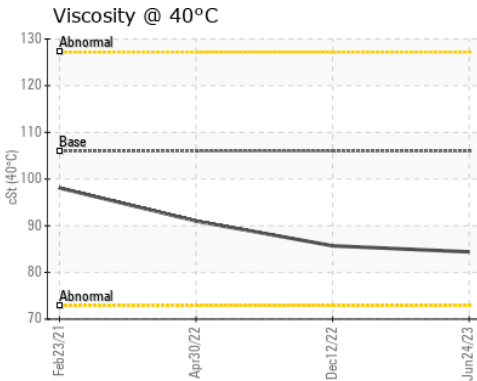
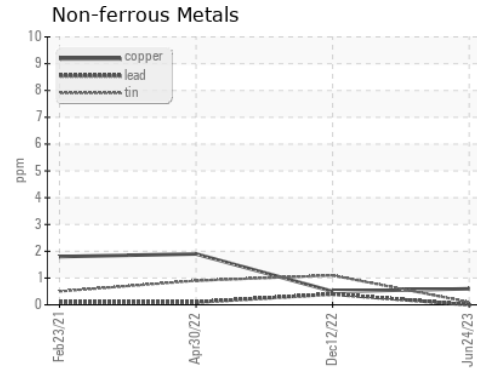
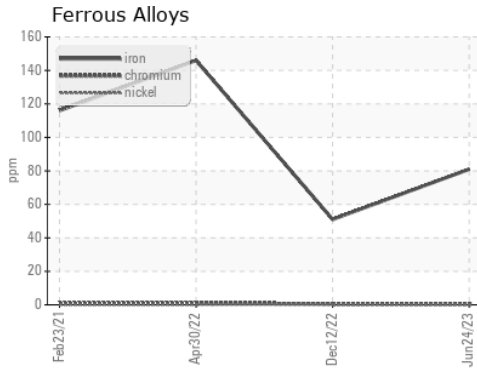
### FLUID PROPERTIES

method	limit/base	current	history 1	history 2	
Visc @ 40°C	cSt ASTM D445	106	<b>84.4</b>	85.7	91.0

### 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.** : PCA0096996  
**Lab Number** : 05889464  
**Unique Number** : 10539947  
**Test Package** : FLEET

**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)