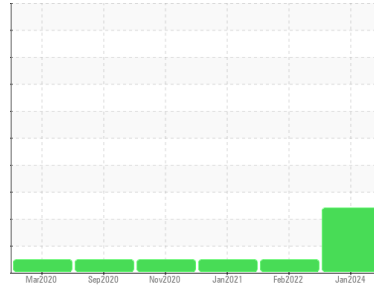


# OIL ANALYSIS REPORT

Sample Rating Trend



## VISCOSITY



Machine Id  
**T267**

Component  
**Front Differential**

Fluid  
**CHEVRON DELO SYNTHETIC GEAR 75W90 (2 hrs)**

### 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 oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

### SAMPLE INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	<b>PCA0107439</b>	PCA0065409	PCA0039716	
Sample Date	Client Info	<b>17 Jan 2024</b>	28 Feb 2022	05 Jan 2021	
Machine Age	mls	Client Info	<b>158151</b>	75804	0
Oil Age	mls	Client Info	<b>75804</b>	75804	0
Oil Changed	Client Info	<b>Changed</b>	N/A	N/A	
Sample Status		<b>ATTENTION</b>	NORMAL	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	>500	<b>54</b>	38	39
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	5
Aluminum	ppm	ASTM D5185m	>25	<b>17</b>	<1	<1
Lead	ppm	ASTM D5185m	>25	<b>15</b>	0	0
Copper	ppm	ASTM D5185m	>100	<b>74</b>	0	<1
Tin	ppm	ASTM D5185m	>10	<b>3</b>	0	0
Antimony	ppm	ASTM D5185m	>5	<b>---</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1

### ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m		<b>▲ 86</b>	268	224
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	2	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	1	2
Magnesium	ppm	ASTM D5185m		<b>▲ 1</b>	21	<1
Calcium	ppm	ASTM D5185m		<b>118</b>	25	4
Phosphorus	ppm	ASTM D5185m		<b>▲ 284</b>	1370	1393
Zinc	ppm	ASTM D5185m		<b>▲ 14</b>	26	2
Sulfur	ppm	ASTM D5185m		<b>▲ 3214</b>	21013	22478

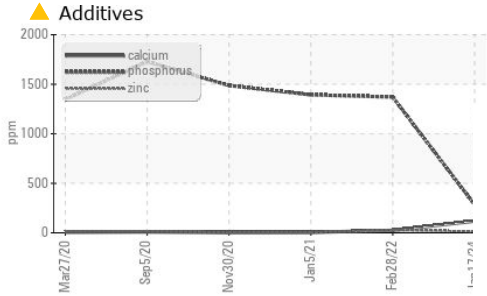
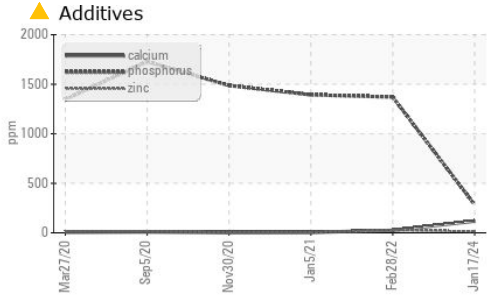
### CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>75	<b>7</b>	4	4
Sodium	ppm	ASTM D5185m		<b>2</b>	0	2
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	0	0

### VISUAL

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

# OIL ANALYSIS REPORT



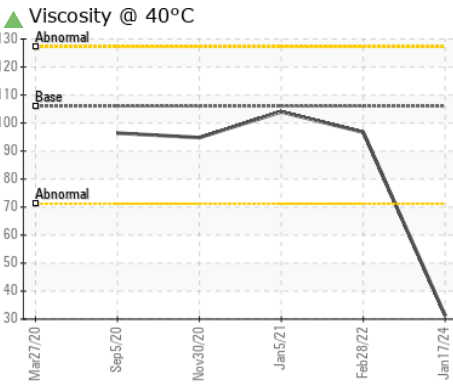
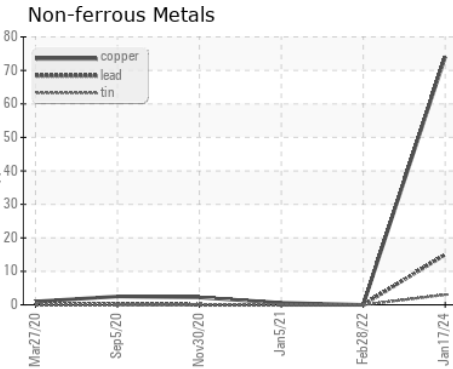
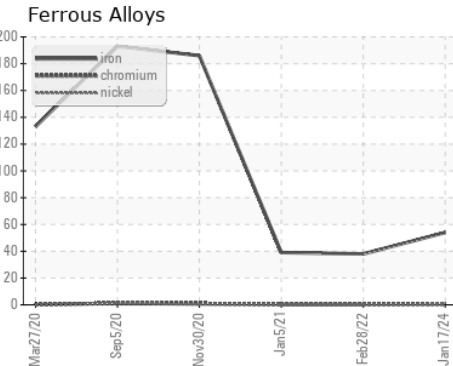
## FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	▲ 31.3	96.7	104

## 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.** : PCA0107439  
**Lab Number** : 06080262  
**Unique Number** : 10862353  
**Test Package** : FLEET

**Received** : 05 Feb 2024  
**Tested** : 06 Feb 2024  
**Diagnosed** : 07 Feb 2024 - Don Baldrige

**NW WHITE & CO - SPECIAL SERVICE 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: