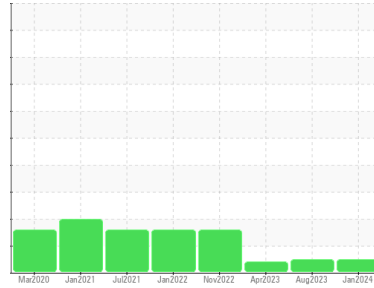


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**DT683**  
 Component  
**Front Differential**  
 Fluid  
**CHEVRON RPM SYNTHETIC GEAR 75W90 (4 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>PCA0111617</b>	PCA0101865	PCA0095216
Sample Date	Client Info		<b>19 Jan 2024</b>	24 Aug 2023	14 Apr 2023
Machine Age	mls	Client Info	<b>22526</b>	22526	22526
Oil Age	mls	Client Info	<b>22526</b>	22526	22526
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
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>222</b>	170	106
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	1	<1
Nickel	ppm	ASTM D5185m	>10	<b>7</b>	6	5
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>4</b>	4	2
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>100	<b>&lt;1</b>	<1	0
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
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>221</b>	222	221
Barium	ppm	ASTM D5185m		<b>2</b>	<1	0
Molybdenum	ppm	ASTM D5185m		<b>17</b>	15	13
Manganese	ppm	ASTM D5185m		<b>2</b>	2	2
Magnesium	ppm	ASTM D5185m		<b>84</b>	88	64
Calcium	ppm	ASTM D5185m		<b>180</b>	196	142
Phosphorus	ppm	ASTM D5185m		<b>1276</b>	1328	1339
Zinc	ppm	ASTM D5185m		<b>141</b>	159	109
Sulfur	ppm	ASTM D5185m		<b>24222</b>	24663	25964

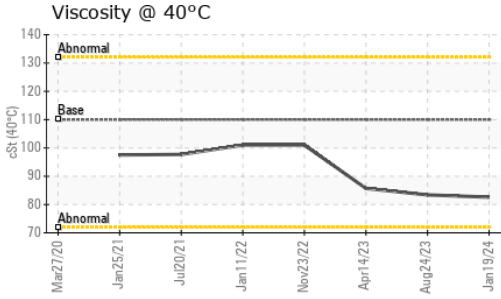
**CONTAMINANTS**

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>75	<b>50</b>	40	34
Sodium	ppm	ASTM D5185m		<b>0</b>	3	2
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	0

**VISUAL**

	method	limit/base	current	history1	history2	
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

# OIL ANALYSIS REPORT



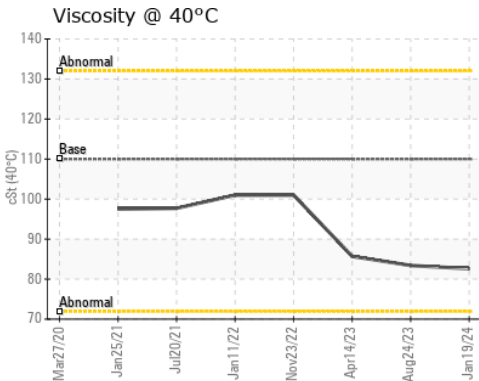
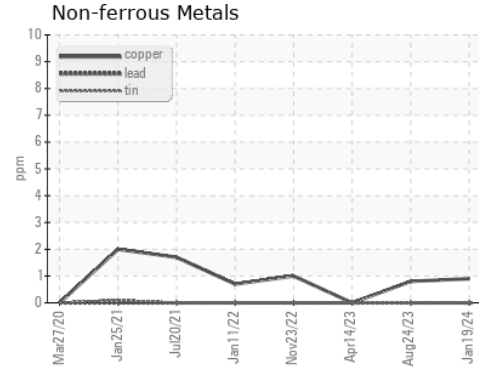
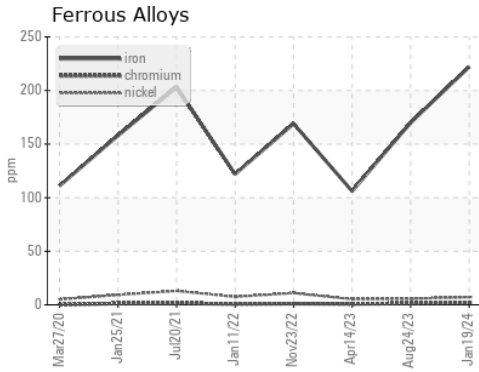
### FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	110	<b>82.6</b>	83.4	85.7

### 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.** : PCA0111617 **Received** : 31 Jan 2024  
**Lab Number** : **06076150** **Diagnosed** : 01 Feb 2024  
**Unique Number** : 10858241 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**NW WHITE & CO - BEAUFORT DIVISION**  
 1491 YENMASSEE HIGHWAY  
 VARNVILLE, SC  
 US 29944  
 Contact: VINCENT BULLOCK  
 bullockvince514@gmail.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: