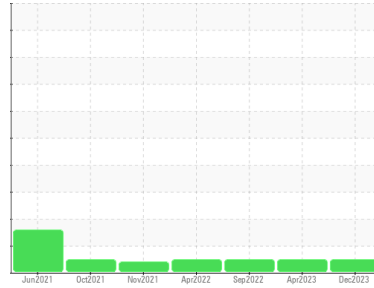


# OIL ANALYSIS REPORT

## Sample Rating Trend

**NORMAL**



Machine Id  
**DT739**  
Component  
**Front 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	history1	history2
Sample Number	Client Info		<b>PCA0103304</b>	PCA0091174	PCA0074861
Sample Date	Client Info		<b>07 Dec 2023</b>	13 Apr 2023	07 Sep 2022
Machine Age	mls	Client Info	<b>186494</b>	157747	131976
Oil Age	mls	Client Info	<b>28747</b>	157747	0
Oil Changed	Client Info		<b>Not Chngd</b>	Changed	Not Chngd
Sample Status			<b>NORMAL</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 >870	<b>160</b>	310	168
Chromium	ppm	ASTM D5185m >8	<b>1</b>	2	1
Nickel	ppm	ASTM D5185m >25	<b>5</b>	8	5
Titanium	ppm	ASTM D5185m >4	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >40	<b>4</b>	11	6
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >60	<b>1</b>	<1	<1
Tin	ppm	ASTM D5185m >5	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>232</b>	247	287
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>16</b>	4	3
Manganese	ppm	ASTM D5185m	<b>2</b>	3	2
Magnesium	ppm	ASTM D5185m	<b>142</b>	46	40
Calcium	ppm	ASTM D5185m	<b>238</b>	66	57
Phosphorus	ppm	ASTM D5185m	<b>1264</b>	1546	1347
Zinc	ppm	ASTM D5185m	<b>198</b>	71	57
Sulfur	ppm	ASTM D5185m	<b>23671</b>	22093	22041

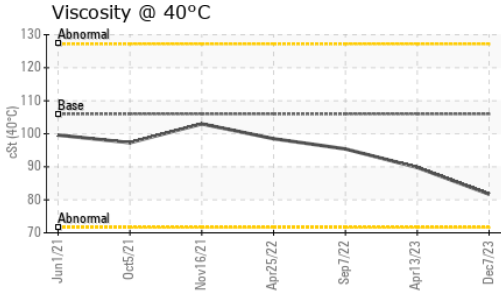
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >285	<b>39</b>	84	60
Sodium	ppm	ASTM D5185m	<b>0</b>	1	<1
Potassium	ppm	ASTM D5185m >20	<b>1</b>	1	0

## VISUAL

	method	limit/base	current	history1	history2
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>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

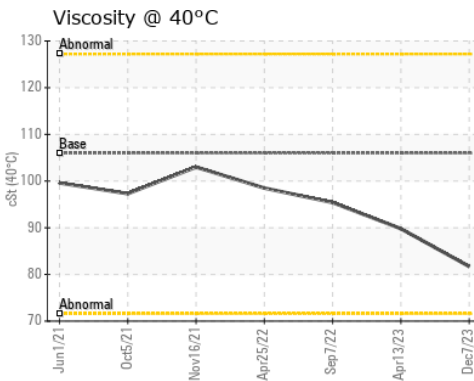
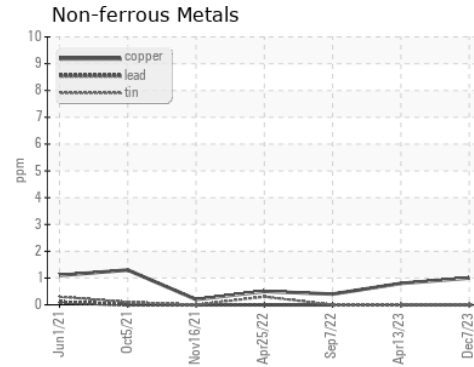
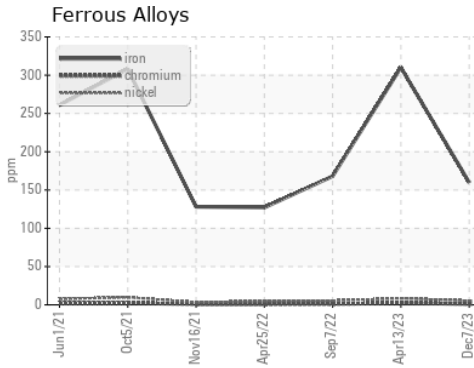


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	106	<b>81.7</b>	89.8	95.4

SAMPLE IMAGES	method	limit/base	current	history1	history2
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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.** : PCA0103304  
**Lab Number** : 06037141  
**Unique Number** : 10792370  
**Test Package** : FLEET  
**Received** : 15 Dec 2023  
**Diagnosed** : 20 Dec 2023  
**Diagnostician** : Jonathan Hester

**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)