

# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**NWW GREENWOOD**

Machine Id  
**DT697**

Component  
**Front Differential**

Fluid  
**CHEVRON DELO SYNTHETIC GEAR 75W90 (4 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	history1	history2
Sample Number	Client Info			<b>PCA0102318</b>	---	---
Sample Date	Client Info			<b>08 May 2024</b>	---	---
Machine Age	mls	Client Info		<b>206449</b>	---	---
Oil Age	mls	Client Info		<b>0</b>	---	---
Oil Changed	Client Info			<b>Not Changed</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>.2	<b>NEG</b>	---	---

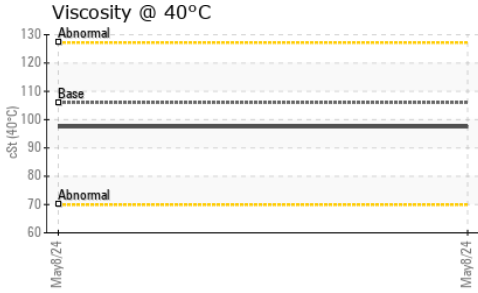
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>59</b>	---	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	---	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>100	<b>3</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>290</b>	---	---
Barium	ppm	ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>3</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Calcium	ppm	ASTM D5185m		<b>4</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>1543</b>	---	---
Zinc	ppm	ASTM D5185m		<b>1</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>29940</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>13</b>	---	---
Sodium	ppm	ASTM D5185m		<b>1</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>.2	<b>NEG</b>	---	---
Free Water	scalar	*Visual		<b>NEG</b>	---	---

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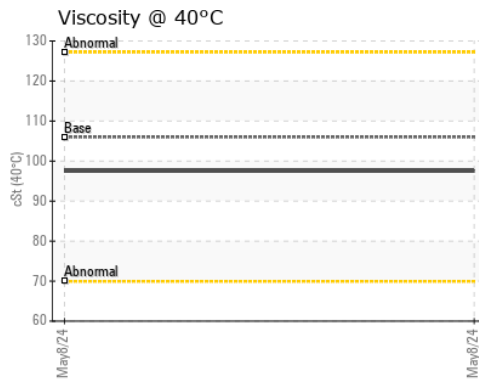
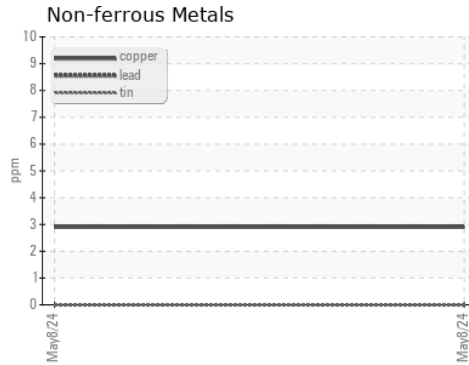
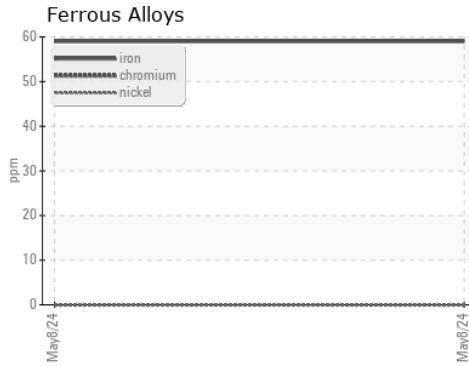


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	106	<b>97.5</b>	---	---

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.** : PCA0102318      **Received** : 10 May 2024  
**Lab Number** : **06175985**      **Tested** : 12 May 2024  
**Unique Number** : 11022038      **Diagnosed** : 14 May 2024 - Sean Felton  
**Test Package** : FLEET

**NW WHITE & CO - GREENWOOD DIVISION**  
 411 QUARRY ROAD  
 GREENWOOD, SC  
 US 29149  
 Contact: Mitchell Brown  
 greenwoodshop@nwwhite.com  
 T: (864)389-9553  
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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)