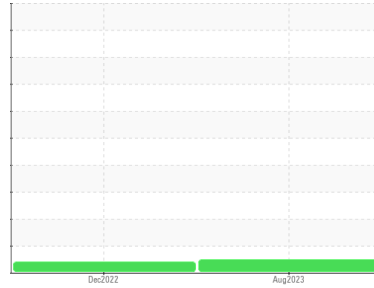


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**DT796**  
 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 fluid.

### Fluid Condition

The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PCA0074017</b>	PCA0080982	---
Sample Date	Client Info			<b>18 Aug 2023</b>	21 Dec 2022	---
Machine Age	mls	Client Info		<b>103036</b>	78459	---
Oil Age	mls	Client Info		<b>24577</b>	78459	---
Oil Changed	Client Info			<b>Not Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

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

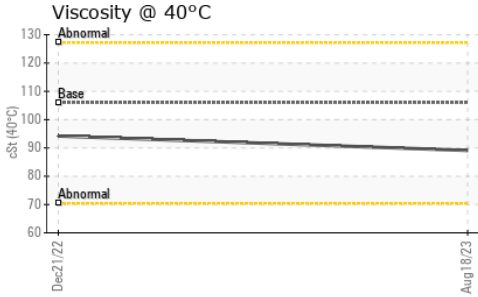
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>83</b>	187	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	1	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m	>100	<b>&lt;1</b>	41	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>201</b>	252	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>11</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>2</b>	21	---
Magnesium	ppm	ASTM D5185m		<b>120</b>	<1	---
Calcium	ppm	ASTM D5185m		<b>176</b>	6	---
Phosphorus	ppm	ASTM D5185m		<b>1439</b>	1395	---
Zinc	ppm	ASTM D5185m		<b>176</b>	8	---
Sulfur	ppm	ASTM D5185m		<b>23480</b>	25056	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>12</b>	46	---
Sodium	ppm	ASTM D5185m		<b>2</b>	5	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	3	---

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

# OIL ANALYSIS REPORT

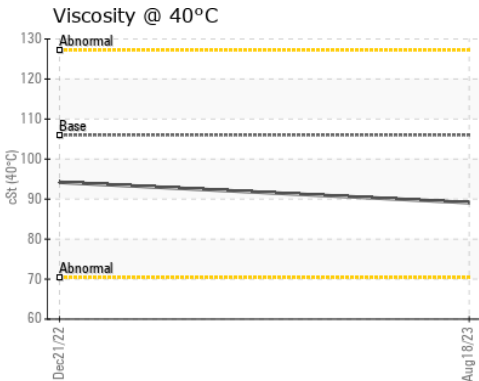
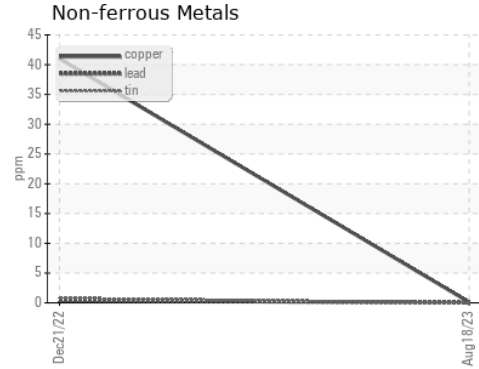
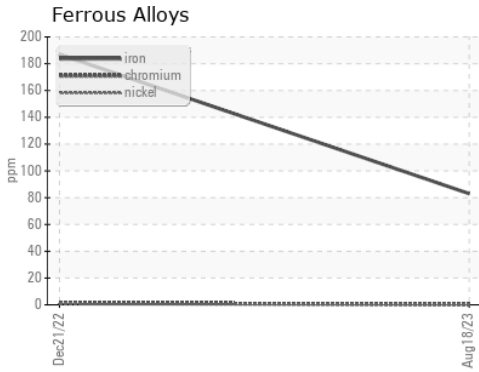


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	106	<b>89.1</b>	94.2	---

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.** : PCA0074017      **Received** : 29 Feb 2024  
**Lab Number** : 06105520      **Tested** : 01 Mar 2024  
**Unique Number** : 10903750      **Diagnosed** : 04 Mar 2024 - Don Baldrige  
**Test Package** : FLEET

**NW WHITE & CO - GREER DIVISION**  
 1060 ROGERS BRIDGE RD  
 DUNCAN, SC  
 US 29334  
 Contact: Matt Quinlan  
 mquinlan@nwwhite.com  
 T: (864)905-8506  
 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)