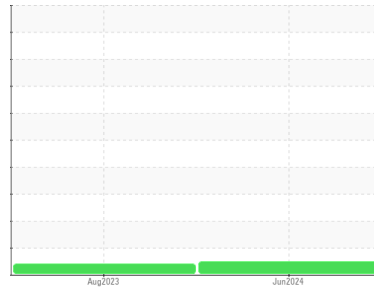


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
DT839
Component
Rear Differential
Fluid
CHEVRON RPM SYNTHETIC GEAR 75W90 (12 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		PCA0120558	PCA0089117	---
Sample Date	Client Info		17 Jun 2024	10 Aug 2023	---
Machine Age	mls	Client Info	53150	27150	---
Oil Age	mls	Client Info	53150	27150	---
Oil Changed	Client Info		Not Changd	Not Changd	---
Sample Status			NORMAL	ABNORMAL	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >1200	174	148	---
Chromium	ppm	ASTM D5185m >8	1	1	---
Nickel	ppm	ASTM D5185m >20	8	7	---
Titanium	ppm	ASTM D5185m >4	<1	<1	---
Silver	ppm	ASTM D5185m	<1	0	---
Aluminum	ppm	ASTM D5185m >30	2	2	---
Lead	ppm	ASTM D5185m >25	0	<1	---
Copper	ppm	ASTM D5185m >50	2	2	---
Tin	ppm	ASTM D5185m >5	0	<1	---
Vanadium	ppm	ASTM D5185m	<1	<1	---
Cadmium	ppm	ASTM D5185m	0	<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	145	203	---
Barium	ppm	ASTM D5185m	1	0	---
Molybdenum	ppm	ASTM D5185m	<1	1	---
Manganese	ppm	ASTM D5185m	4	3	---
Magnesium	ppm	ASTM D5185m	4	5	---
Calcium	ppm	ASTM D5185m	21	23	---
Phosphorus	ppm	ASTM D5185m	1084	1101	---
Zinc	ppm	ASTM D5185m	15	9	---
Sulfur	ppm	ASTM D5185m	28707	28221	---

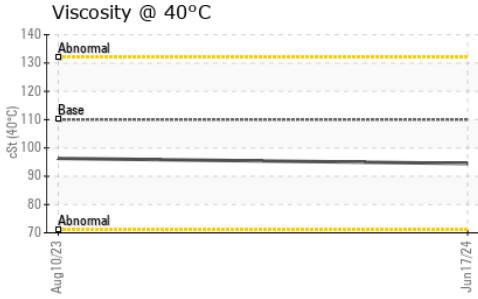
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >230	108	153	---
Sodium	ppm	ASTM D5185m	4	3	---
Potassium	ppm	ASTM D5185m >20	3	3	---

VISUAL

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


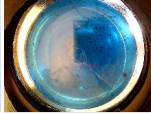
OIL ANALYSIS REPORT



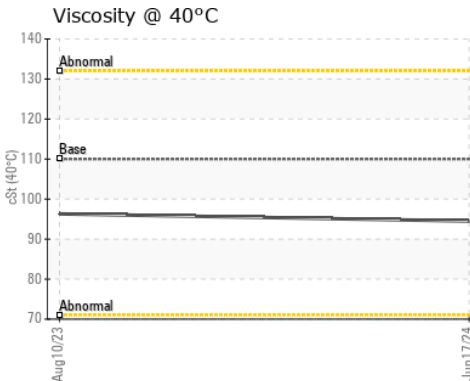
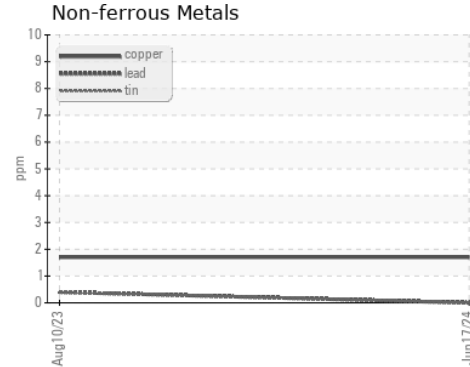
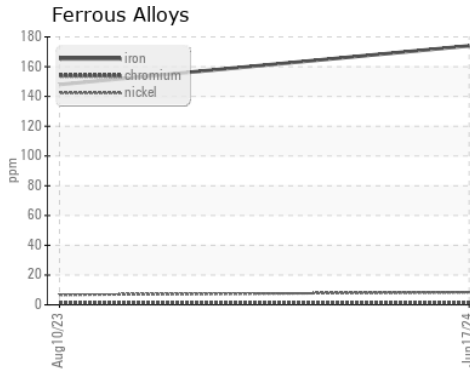
FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 40°C	cSt	ASTM D445	110	94.5	96.3	---
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color					no image	no image
Bottom					no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0120558
Lab Number : **06223859**
Unique Number : 11102056
Test Package : FLEET

Received : 28 Jun 2024
Tested : 29 Jun 2024
Diagnosed : 30 Jun 2024 - Don Baldrige

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)