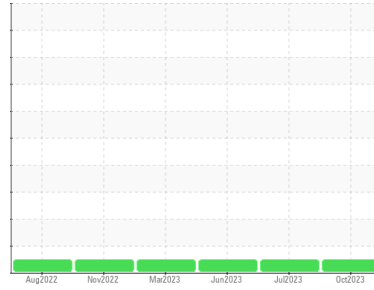


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**T268**  
 Component  
**Rear Differential**  
 Fluid  
**TRANSAXLE OIL SAE 75W90 (--- 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 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>PCA0104147</b>	PCA0100035	PCA0100005
Sample Date	Client Info			<b>23 Oct 2023</b>	11 Jul 2023	30 Jun 2023
Machine Age	mls	Client Info		<b>303244</b>	279220	276676
Oil Age	mls	Client Info		<b>303244</b>	279220	75000
Oil Changed	Client Info			<b>Not Chngd</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>90</b>	206	225
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>25	<b>7</b>	10	7
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>100	<b>&lt;1</b>	<1	1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

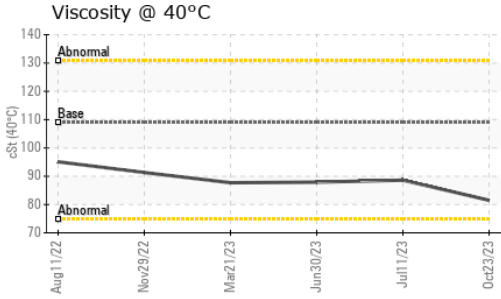
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	160	<b>186</b>	237	274
Barium	ppm	ASTM D5185m	10	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	25	<b>12</b>	10	11
Manganese	ppm	ASTM D5185m		<b>2</b>	4	5
Magnesium	ppm	ASTM D5185m	12	<b>137</b>	128	128
Calcium	ppm	ASTM D5185m	3750	<b>236</b>	198	206
Phosphorus	ppm	ASTM D5185m	1200	<b>1320</b>	1367	1360
Zinc	ppm	ASTM D5185m	1500	<b>210</b>	201	199
Sulfur	ppm	ASTM D5185m	6000	<b>19495</b>	24900	22412

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>67</b>	44	44
Sodium	ppm	ASTM D5185m		<b>4</b>	0	0
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	3

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
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

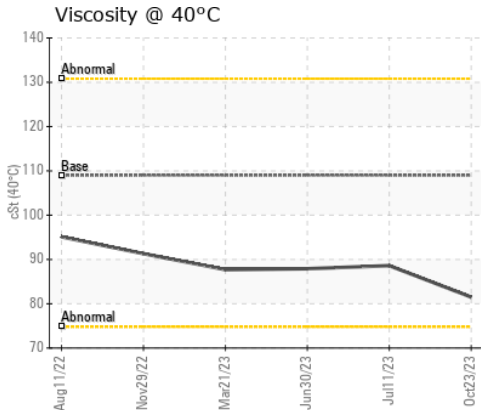
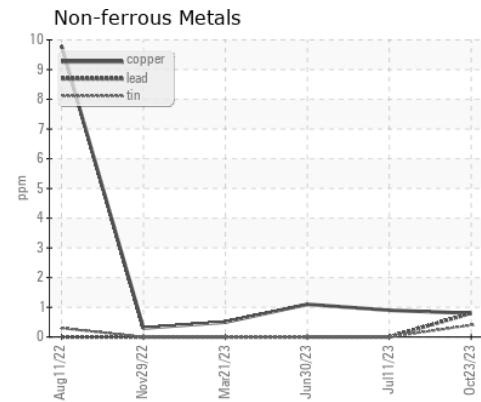
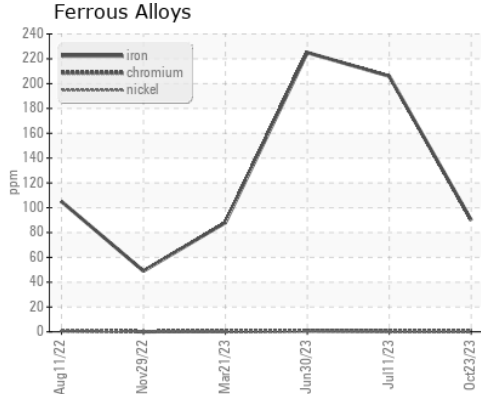
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	109	<b>81.5</b>	88.6	87.9

# OIL ANALYSIS REPORT



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.** : PCA0104147  
**Lab Number** : 05994810  
**Unique Number** : 10723170  
**Test Package** : FLEET

**Received** : 31 Oct 2023  
**Diagnosed** : 02 Nov 2023  
**Diagnostician** : Don Baldrige

**NW WHITE & CO - COLUMBIA DIVISION**  
 100 INDEPENDENCE BLVD  
 COLUMBIA, SC  
 US 29210  
 Contact: GEORGE EDWARDS  
 gedwards@nwwhite.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: