



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**T320**  
 Component  
**Front Differential**  
 Fluid  
**CHEVRON DELO SYNTHETIC GEAR 75W90 (--- QTS)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0121916</b>	PCA0047384	PCA0039671
Sample Date		Client Info		<b>08 Apr 2024</b>	19 Apr 2021	04 Jan 2021
Machine Age	mls	Client Info		<b>281859</b>	0	49945
Oil Age	mls	Client Info		<b>49945</b>	0	0
Filter Age	mls	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	N/A	Changed
Filter Changed		Client Info		<b>Not Changed</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>164</b>	177	130
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	3	<1
Lead	ppm	ASTM D5185m	>25	<b>0</b>	<1	2
Copper	ppm	ASTM D5185m	>100	<b>&lt;1</b>	2	2
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

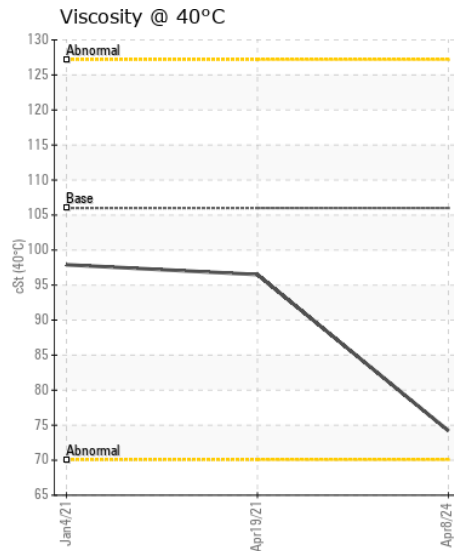
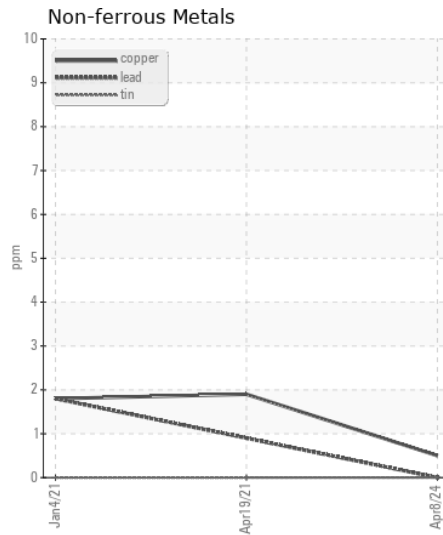
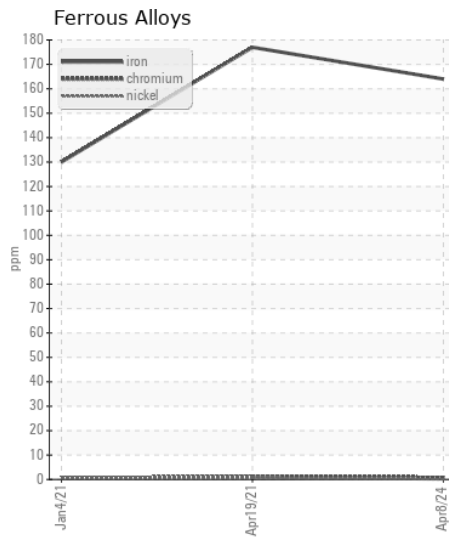
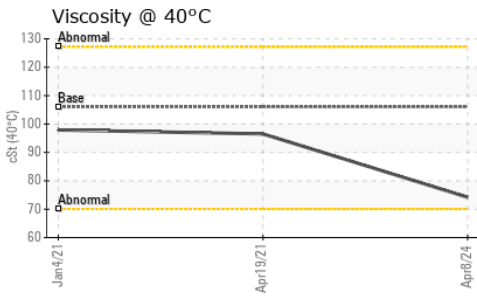
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>11</b>	26	12
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	10	0
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>MODER</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

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>3</b>	6	6
Boron	ppm	ASTM D5185m		<b>193</b>	238	224
Barium	ppm	ASTM D5185m		<b>0</b>	2	2
Molybdenum	ppm	ASTM D5185m		<b>16</b>	0	0
Manganese	ppm	ASTM D5185m		<b>7</b>	10	9
Magnesium	ppm	ASTM D5185m		<b>81</b>	<1	2
Calcium	ppm	ASTM D5185m		<b>182</b>	10	10
Phosphorus	ppm	ASTM D5185m		<b>1125</b>	1650	1368
Zinc	ppm	ASTM D5185m		<b>130</b>	20	19
Sulfur	ppm	ASTM D5185m		<b>20267</b>	23933	21379
Visc @ 40°C	cSt	ASTM D445	106	<b>74.2</b>	96.5	97.9



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0121916  
**Lab Number** : 06149166  
**Unique Number** : 10979244  
**Test Package** : FLEET

**Received** : 15 Apr 2024  
**Tested** : 16 Apr 2024  
**Diagnosed** : 16 Apr 2024 - Wes Davis

**NW WHITE & CO - SPECIAL SERVICE DIVISION**  
 100 INDEPENDENCE BLVD  
 COLUMBIA, SC  
 US 29210

Contact: George Edwards  
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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)

T:  
F: