



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
T307
Component
Front Differential
Fluid
CHEVRON DELO SYNTHETIC GEAR 75W90 (4 hrs)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0114719	PCA0107493	PCA0095708
Sample Date		Client Info		10 Jan 2024	11 Oct 2023	05 Jul 2023
Machine Age	mls	Client Info		316470	290899	263120
Oil Age	mls	Client Info		75000	75000	75000
Filter Age	mls	Client Info		75000	75000	75000
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	81	63	47
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	2	<1	0
Lead	ppm	ASTM D5185m	>25	<1	0	0
Copper	ppm	ASTM D5185m	>100	<1	0	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

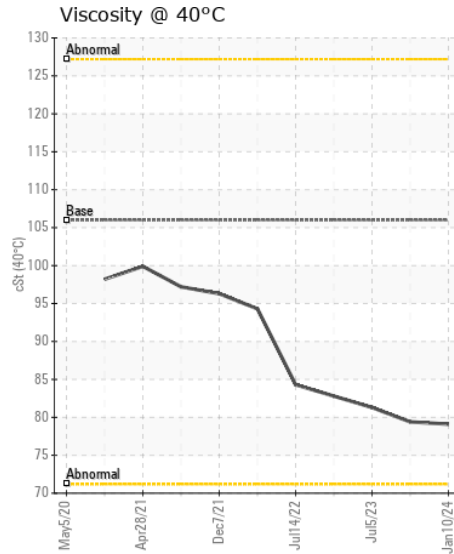
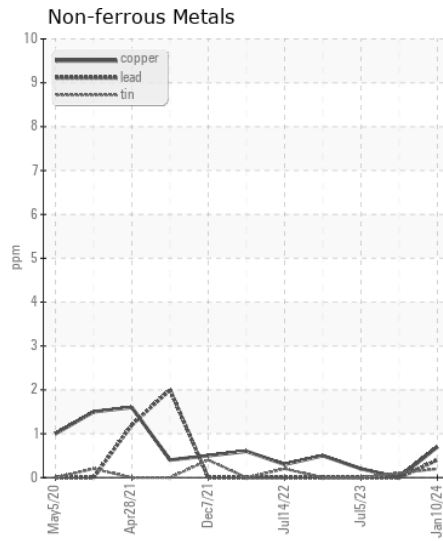
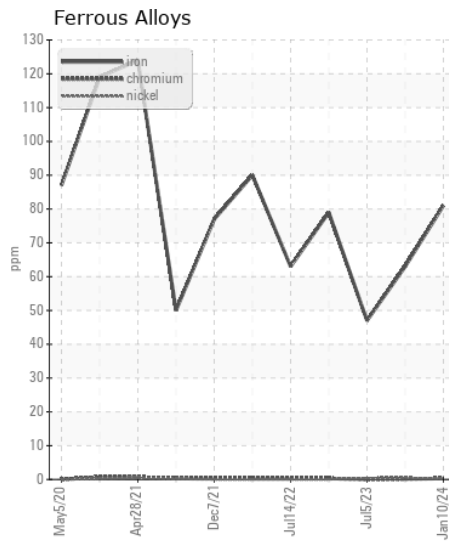
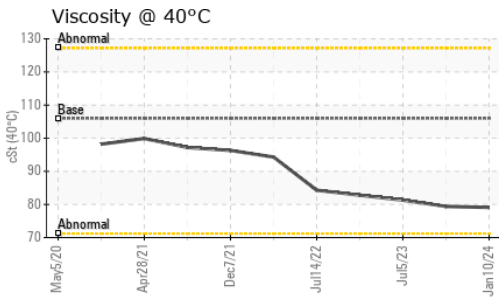
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	8	10	6
Potassium	ppm	ASTM D5185m	>20	1	<1	2
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	<1	0
Boron	ppm	ASTM D5185m		278	217	287
Barium	ppm	ASTM D5185m		4	<1	<1
Molybdenum	ppm	ASTM D5185m		16	13	15
Manganese	ppm	ASTM D5185m		2	2	1
Magnesium	ppm	ASTM D5185m		119	124	112
Calcium	ppm	ASTM D5185m		225	220	229
Phosphorus	ppm	ASTM D5185m		1306	1411	1298
Zinc	ppm	ASTM D5185m		188	198	187
Sulfur	ppm	ASTM D5185m		21021	21571	21354
Visc @ 40°C	cSt	ASTM D445	106	79.1	79.4	81.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0114719 **Received** : 12 Jan 2024
Lab Number : 06059673 **Diagnosed** : 14 Jan 2024
Unique Number : 10831055 **Diagnostician** : Wes Davis
Test Package : FLEET

NW WHITE & CO - SPECIAL SERVICE 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: