



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
DT37
 Component
Rear 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		PCA0090349	PCA0098174	PCA0058905
Sample Date		Client Info		10 Jan 2024	20 Jun 2023	06 Oct 2021
Machine Age	mls	Client Info		156249	129400	75986
Oil Age	mls	Client Info		0	75000	75000
Filter Age	mls	Client Info		0	75000	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	117	79	133
Chromium	ppm	ASTM D5185m	>10	<1	1	1
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	2	4
Lead	ppm	ASTM D5185m	>25	<1	0	0
Copper	ppm	ASTM D5185m	>100	<1	<1	2
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

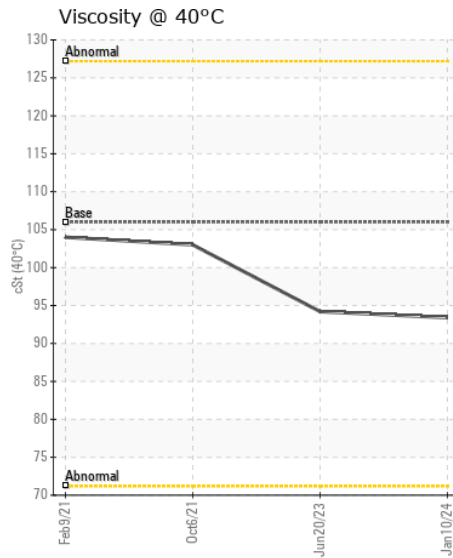
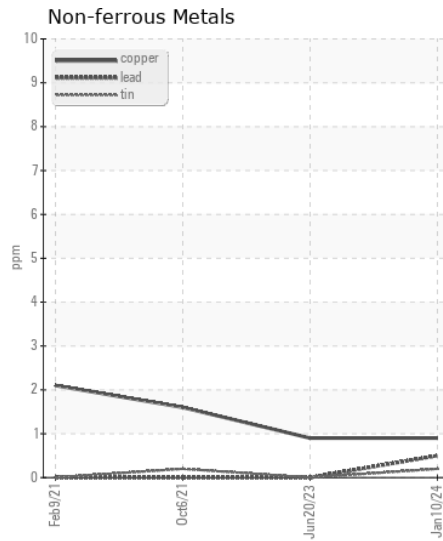
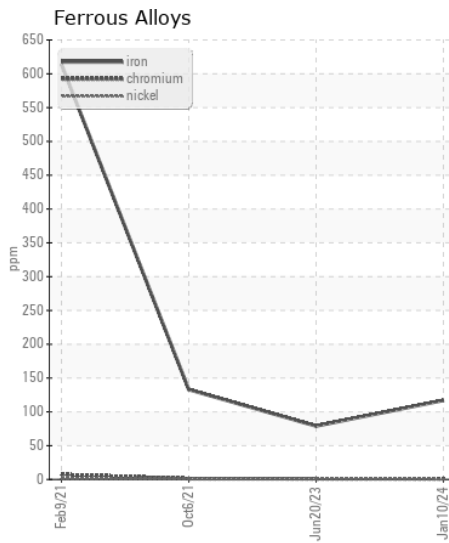
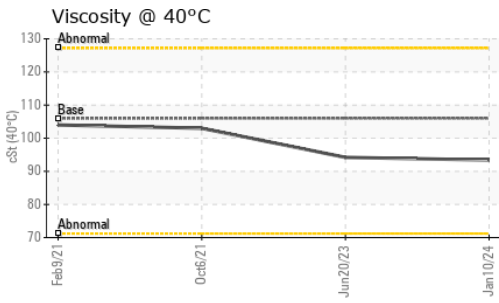
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	21	13	23
Potassium	ppm	ASTM D5185m	>20	2	3	1
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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	4	9
Boron	ppm	ASTM D5185m		288	247	275
Barium	ppm	ASTM D5185m		3	0	2
Molybdenum	ppm	ASTM D5185m		8	7	<1
Manganese	ppm	ASTM D5185m		4	3	7
Magnesium	ppm	ASTM D5185m		86	83	<1
Calcium	ppm	ASTM D5185m		118	114	5
Phosphorus	ppm	ASTM D5185m		1342	1469	1401
Zinc	ppm	ASTM D5185m		124	120	2
Sulfur	ppm	ASTM D5185m		23592	29875	22576
Visc @ 40°C	cSt	ASTM D445	106	93.4	94.2	103



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0090349 **Received** : 12 Jan 2024
Lab Number : 06059677 **Diagnosed** : 16 Jan 2024
Unique Number : 10831059 **Diagnostician** : Wes Davis
Test Package : FLEET

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)

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