



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
DT630
Component
Front Differential
Fluid
CHEVRON RPM SYNTHETIC GEAR 75W90 (4 mls)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0121613	PCA0103323	PCA0091183
Sample Date		Client Info		16 May 2024	10 Oct 2023	26 Apr 2023
Machine Age	mls	Client Info		289291	261609	236127
Oil Age	mls	Client Info		289291	235060	0
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	None	None
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1200	178	74	46
Chromium	ppm	ASTM D5185m	>8	2	<1	<1
Nickel	ppm	ASTM D5185m	>20	5	4	2
Titanium	ppm	ASTM D5185m	>4	<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>30	3	2	2
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	<1	0
Tin	ppm	ASTM D5185m	>5	0	0	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

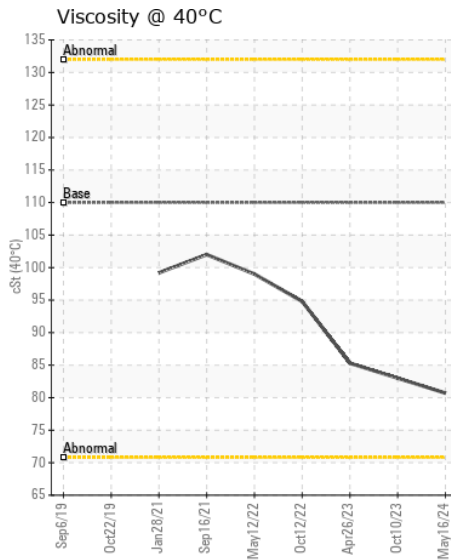
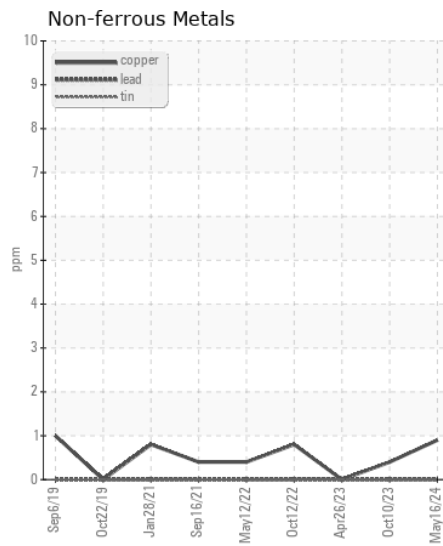
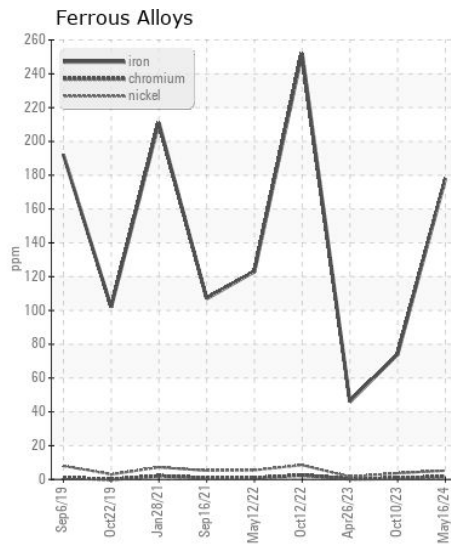
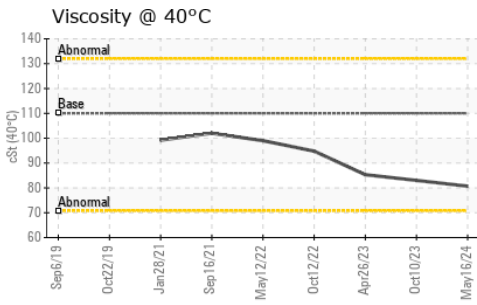
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>230	40	51	19
Potassium	ppm	ASTM D5185m	>20	2	<1	<1
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	0	1
Boron	ppm	ASTM D5185m		211	192	217
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		18	18	17
Manganese	ppm	ASTM D5185m		1	<1	1
Magnesium	ppm	ASTM D5185m		175	178	180
Calcium	ppm	ASTM D5185m		244	235	248
Phosphorus	ppm	ASTM D5185m		1240	1281	1300
Zinc	ppm	ASTM D5185m		250	265	265
Sulfur	ppm	ASTM D5185m		20649	20604	23421
Visc @ 40°C	cSt	ASTM D445	110	80.7	83.0	85.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0121613
Lab Number : 06189840
Unique Number : 11046592
Test Package : FLEET

Received : 23 May 2024
Tested : 29 May 2024
Diagnosed : 29 May 2024 - Wes Davis

NW WHITE & CO - ANDERSON DIVISION
 2605 RIVER RD
 PIEDMONT, SC
 US 29673

Contact: James Threatt
 jthreatt@nwwhite.com

T: (864)918-4646

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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