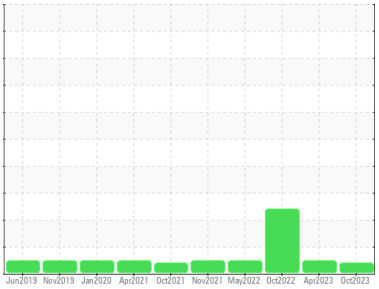
OIL DIAGNOSTICS

PROBLEM SUMMARY

Machine Id
DT631
Component
Front Differential
Fluid
CHEVRON RPM SYNTHETIC GEAR 75W90 (4 mls)

Sample Rating Trend



VIS DEBRIS

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	NORMAL	ABNORMAL
Debris	scalar	*Visual	NONE	▲ **MODER**	NONE	NONE

Customer Id: NWWPIE
Sample No.: PCA0103296
Lab Number: 05977422
Test Package: FLEET

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

21 Apr 2023 Diag: Sean Felton

NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report

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17 Oct 2022 Diag: Jonathan Hester

DIRT

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

view report

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06 May 2022 Diag: Don Baldridge

NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

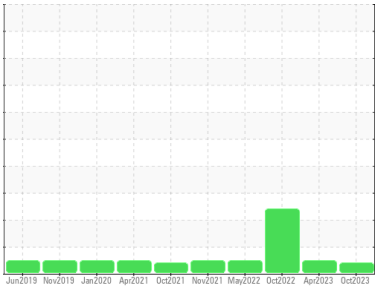
view report

OIL ANALYSIS REPORT

OIL DIAGNOSTICS

Machine Id
DT631
Component
Front Differential
Fluid
CHEVRON RPM SYNTHETIC GEAR 75W90 (4 mls)

Sample Rating Trend



VIS DEBRIS

DIAGNOSIS

▲ Recommendation
Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

▲ Contamination
Moderate concentration of visible dirt/debris present in the oil.

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**PCA0103296**	PCA0091169	PCA0080960
Sample Date		Client Info		**10 Oct 2023**	21 Apr 2023	17 Oct 2022
Machine Age	mls	Client Info		**257872**	231859	206336
Oil Age	mls	Client Info		**13**	181798	182293
Oil Changed		Client Info		**Not Changd**	Changed	Not Changd
Sample Status				**ABNORMAL**	NORMAL	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>870	**176**	284	522
Chromium	ppm	ASTM D5185m	>8	**1**	2	2
Nickel	ppm	ASTM D5185m	>25	**4**	6	<1
Titanium	ppm	ASTM D5185m	>4	**<1**	<1	3
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>40	**4**	10	▲ 52
Lead	ppm	ASTM D5185m	>25	**<1**	0	5
Copper	ppm	ASTM D5185m	>60	**2**	1	40
Tin	ppm	ASTM D5185m	>5	**0**	0	4
Vanadium	ppm	ASTM D5185m		**0**	0	<1
Cadmium	ppm	ASTM D5185m		**0**	0	0

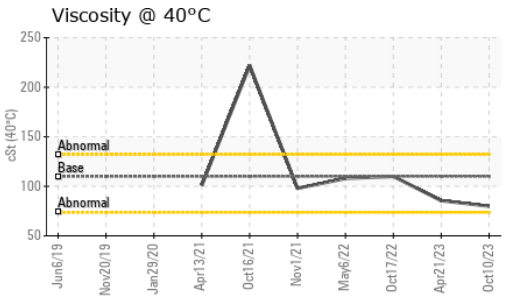
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**189**	212	237
Barium	ppm	ASTM D5185m		**2**	0	<1
Molybdenum	ppm	ASTM D5185m		**22**	20	13
Manganese	ppm	ASTM D5185m		**1**	2	4
Magnesium	ppm	ASTM D5185m		**185**	156	59
Calcium	ppm	ASTM D5185m		**308**	234	136
Phosphorus	ppm	ASTM D5185m		**1216**	1302	1349
Zinc	ppm	ASTM D5185m		**284**	238	103
Sulfur	ppm	ASTM D5185m		**19150**	20205	22311

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>285	**33**	53	▲ 157
Sodium	ppm	ASTM D5185m		**3**	11	5
Potassium	ppm	ASTM D5185m	>20	**2**	5	10

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	▲ **MODER**	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
Free Water	scalar	*Visual		**NEG**	NEG	NEG

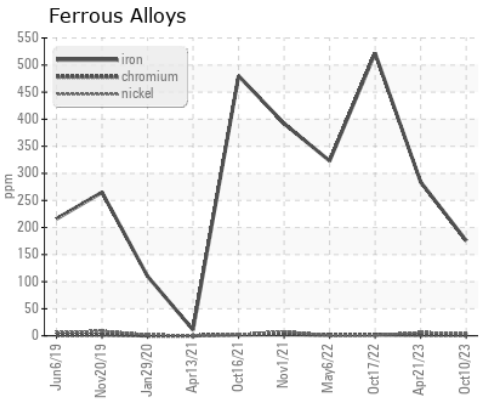
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	110	**79.9**	85.5	110

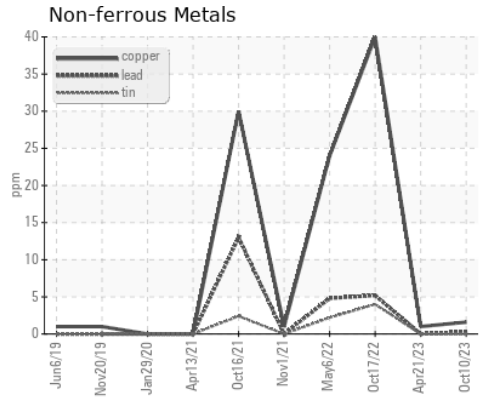
OIL ANALYSIS REPORT

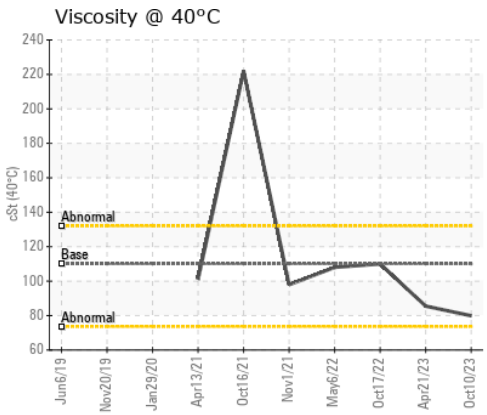


SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS







Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0103296
Lab Number : 05977422
Unique Number : 10689372
Test Package : FLEET

Received : 12 Oct 2023
Diagnosed : 16 Oct 2023
Diagnostician : Don Baldridge

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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