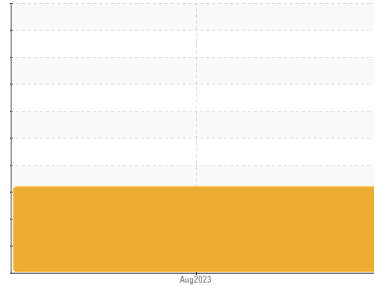


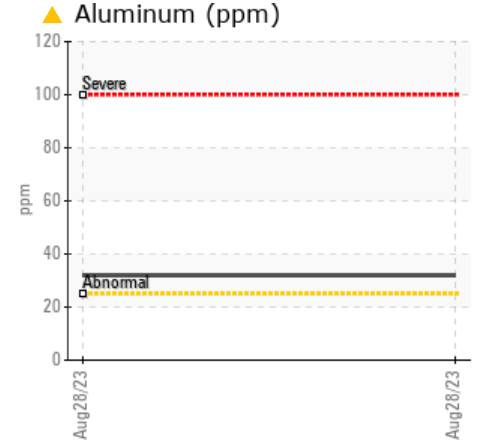
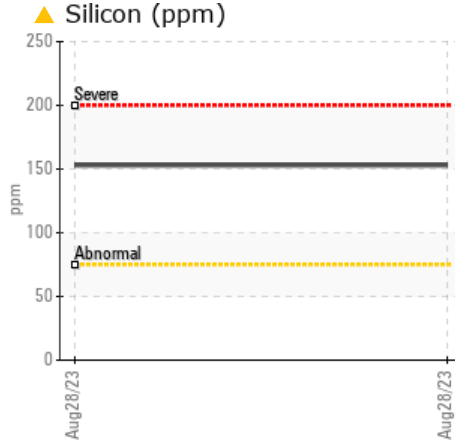
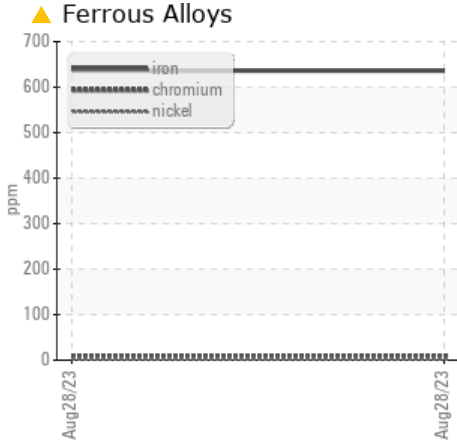
PROBLEM SUMMARY

Sample Rating Trend



Machine Id
DT642
 Component
Rear Differential
 Fluid
CHEVRON DELO SYNTHETIC GEAR 75W90 (--- QTS)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185m	>500	▲ 636	---	---
Aluminum	ppm	ASTM D5185m	>25	▲ 32	---	---
Silicon	ppm	ASTM D5185m	>75	▲ 153	---	---

Customer Id: NWWVAR
 Sample No.: PCA0101875
 Lab Number: 05994791
 Test Package: FLEET



To manage this report scan the QR code

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

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

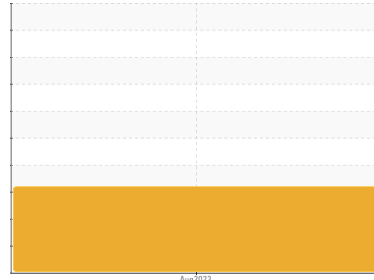
RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Check Dirt Access	---	---	?	We advise that you check all areas where dirt can enter the system.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
DT642
 Component
Rear Differential
 Fluid
CHEVRON DELO SYNTHETIC GEAR 75W90 (--- QTS)

DIAGNOSIS

Recommendation
 We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Wear
 Gear wear is indicated.

Contamination
 Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

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	PCA0101875	---	---
Sample Date	Client Info	28 Aug 2023	---	---
Machine Age	mls	Client Info	0	---
Oil Age	mls	Client Info	0	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	▲ 636	---
Chromium	ppm	ASTM D5185m >10	7	---
Nickel	ppm	ASTM D5185m >10	2	---
Titanium	ppm	ASTM D5185m	2	---
Silver	ppm	ASTM D5185m	0	---
Aluminum	ppm	ASTM D5185m >25	▲ 32	---
Lead	ppm	ASTM D5185m >25	<1	---
Copper	ppm	ASTM D5185m >100	2	---
Tin	ppm	ASTM D5185m >10	<1	---
Vanadium	ppm	ASTM D5185m	<1	---
Cadmium	ppm	ASTM D5185m	<1	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	143	---
Barium	ppm	ASTM D5185m	3	---
Molybdenum	ppm	ASTM D5185m	3	---
Manganese	ppm	ASTM D5185m	18	---
Magnesium	ppm	ASTM D5185m	33	---
Calcium	ppm	ASTM D5185m	74	---
Phosphorus	ppm	ASTM D5185m	1473	---
Zinc	ppm	ASTM D5185m	54	---
Sulfur	ppm	ASTM D5185m	24048	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	▲ 153	---
Sodium	ppm	ASTM D5185m	7	---
Potassium	ppm	ASTM D5185m >20	9	---

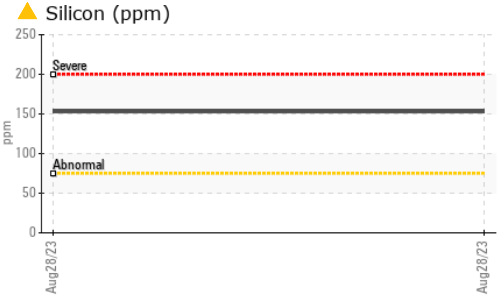
VISUAL

method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	---
Yellow Metal	scalar	*Visual NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	---
Silt	scalar	*Visual NONE	MODER	---
Debris	scalar	*Visual NONE	NONE	---
Sand/Dirt	scalar	*Visual NONE	NONE	---
Appearance	scalar	*Visual NORML	NORML	---
Odor	scalar	*Visual NORML	NORML	---
Emulsified Water	scalar	*Visual >.2	NEG	---
Free Water	scalar	*Visual	NEG	---

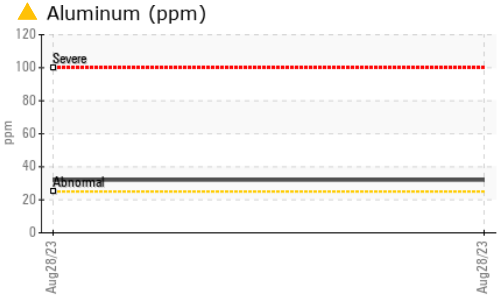
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 106	95.7	---

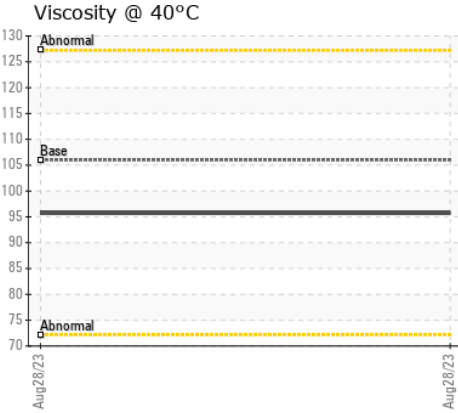
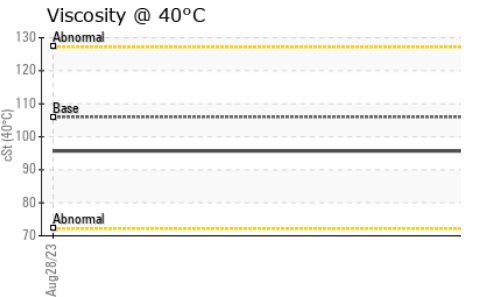
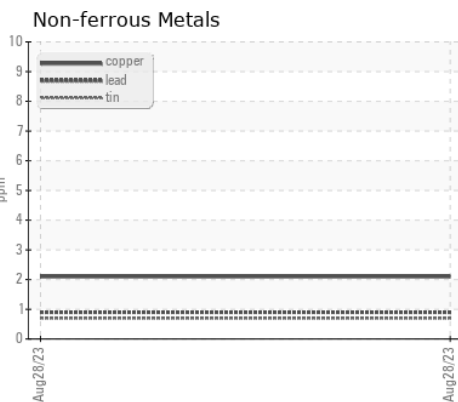
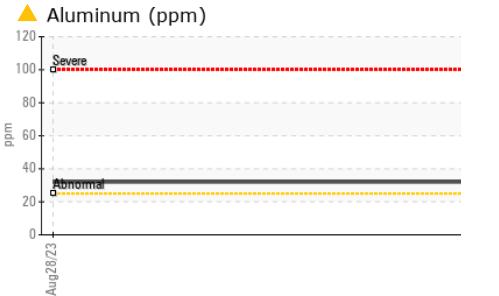
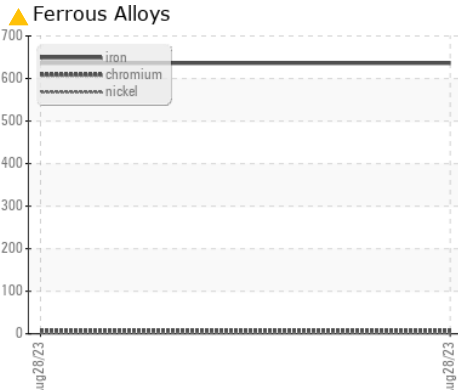
OIL ANALYSIS REPORT



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



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0101875 **Received** : 31 Oct 2023
Lab Number : 05994791 **Diagnosed** : 02 Nov 2023
Unique Number : 10723151 **Diagnostician** : Don Baldrige
Test Package : FLEET

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Certificate L2367
 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)