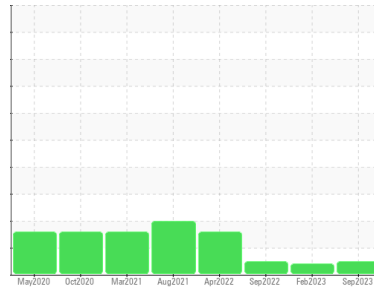


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
DT685

Component
Front Differential

Fluid
CHEVRON DELO SYNTHETIC GEAR 75W90 (5 hrs)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination 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		PCA0090347	PCA0090371	PCA0079623
Sample Date	Client Info		07 Sep 2023	10 Feb 2023	13 Sep 2022
Machine Age	hrs	Client Info	227709	202211	151502
Oil Age	hrs	Client Info	202211	202211	151502
Oil Changed	Client Info		Changed	N/A	Not Changd
Sample Status			NORMAL	ABNORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	159	281	173
Chromium	ppm	ASTM D5185m >10	1	2	1
Nickel	ppm	ASTM D5185m >10	9	7	6
Titanium	ppm	ASTM D5185m	<1	<1	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	6	4	4
Lead	ppm	ASTM D5185m >25	0	<1	0
Copper	ppm	ASTM D5185m >100	0	2	<1
Tin	ppm	ASTM D5185m >10	0	0	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	240	245	297
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	13	15	15
Manganese	ppm	ASTM D5185m	2	3	2
Magnesium	ppm	ASTM D5185m	81	76	77
Calcium	ppm	ASTM D5185m	158	181	160
Phosphorus	ppm	ASTM D5185m	1316	1236	1301
Zinc	ppm	ASTM D5185m	125	139	122
Sulfur	ppm	ASTM D5185m	25266	20274	21115

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	70	60	51
Sodium	ppm	ASTM D5185m	2	0	<1
Potassium	ppm	ASTM D5185m >20	<1	2	0

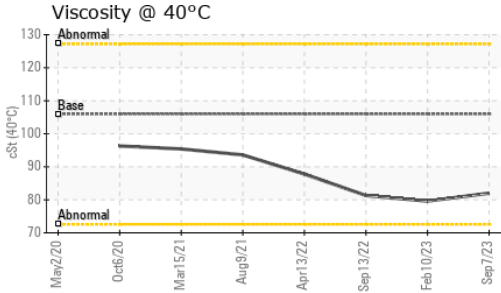
VISUAL

	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	NONE	▲ MODER	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

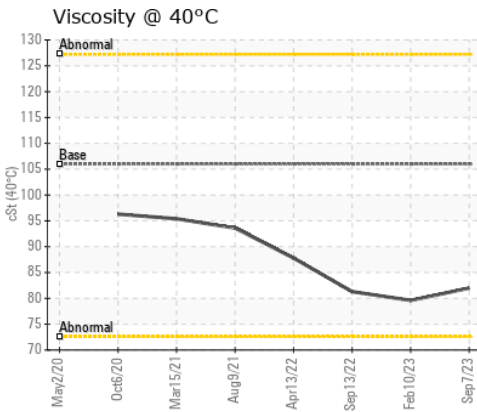
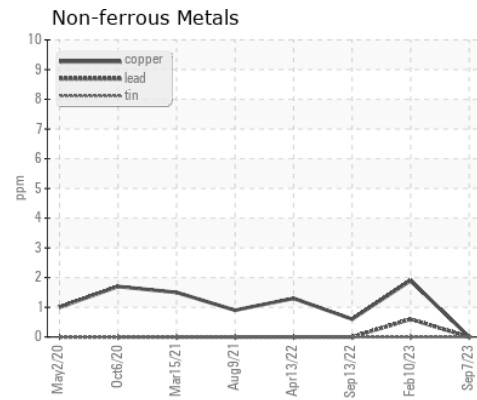
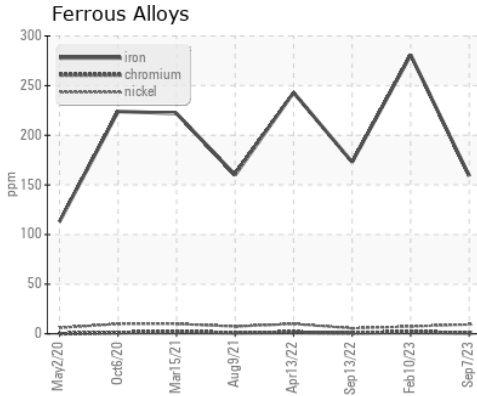
	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 106	82.0	79.6	81.3

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. : PCA0090347
Lab Number : 05947609
Unique Number : 10643568
Test Package : FLEET

Received : 11 Sep 2023
Diagnosed : 13 Sep 2023
Diagnostician : Sean Felton

NW WHITE & CO - COLUMBIA 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: