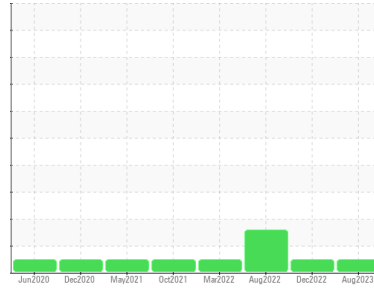


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
DT702

Component
Front Differential

Fluid
CHEVRON DELO SYNTHETIC GEAR 75W90 (4 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	PCA0102181	PCA0087377	PCA0078461	
Sample Date	Client Info	10 Aug 2023	21 Dec 2022	01 Aug 2022	
Machine Age	mls	Client Info	202260	177398	125501
Oil Age	mls	Client Info	0	0	125501
Oil Changed	Client Info	Not Chngd	Not Chngd	N/A	
Sample Status		NORMAL	NORMAL	ABNORMAL	

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >500	89	61	113
Chromium	ppm	ASTM D5185m >10	<1	<1	<1
Nickel	ppm	ASTM D5185m >10	0	0	5
Titanium	ppm	ASTM D5185m	<1	0	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	<1	0	3
Lead	ppm	ASTM D5185m >25	0	0	0
Copper	ppm	ASTM D5185m >100	6	4	<1
Tin	ppm	ASTM D5185m >10	0	0	<1
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	237	214	228
Barium	ppm	ASTM D5185m	1	0	0
Molybdenum	ppm	ASTM D5185m	8	8	6
Manganese	ppm	ASTM D5185m	4	3	2
Magnesium	ppm	ASTM D5185m	78	73	55
Calcium	ppm	ASTM D5185m	209	203	88
Phosphorus	ppm	ASTM D5185m	1342	1287	1193
Zinc	ppm	ASTM D5185m	157	148	80
Sulfur	ppm	ASTM D5185m	24973	25943	23744

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >75	14	8	▲ 78
Sodium	ppm	ASTM D5185m	0	<1	1
Potassium	ppm	ASTM D5185m >20	1	<1	0

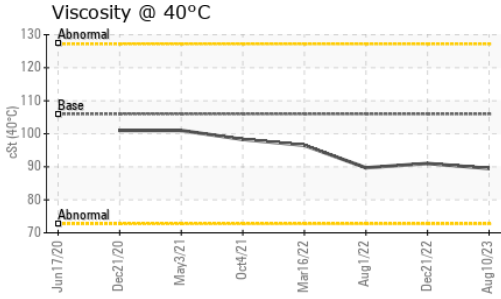
VISUAL

method	limit/base	current	history1	history2	
White Metal	scalar	*Visual NONE	NONE	LIGHT	MODER
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	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

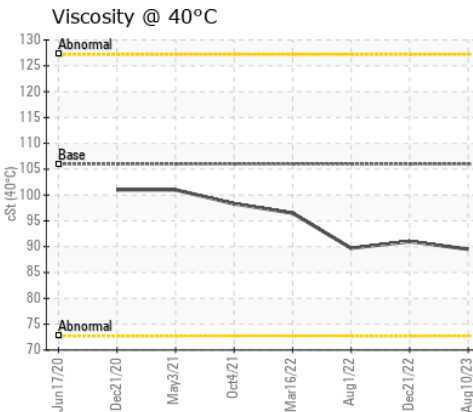
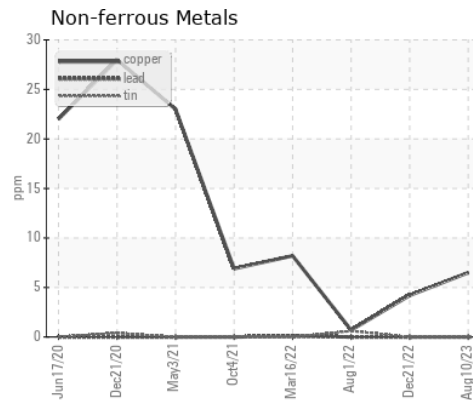
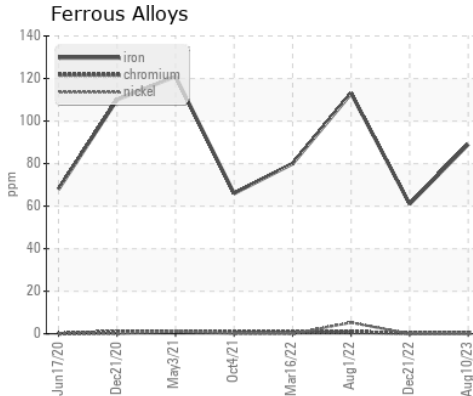
method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445 106	89.5	91.0	89.7

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



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0102181 **Received** : 15 Aug 2023
Lab Number : 05925676 **Diagnosed** : 17 Aug 2023
Unique Number : 10605623 **Diagnostician** : Jonathan Hester
Test Package : FLEET

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: