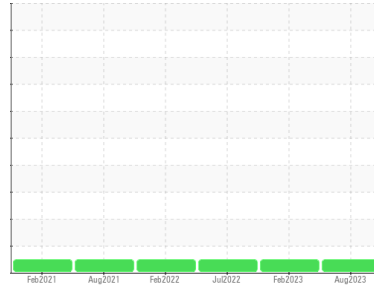


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
DT745
Component
Front Differential
Fluid
CHEVRON DELO SYNTHETIC GEAR 75W90 (--- QTS)

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		PCA0103238	PCA0091213	PCA0074831
Sample Date	Client Info		19 Aug 2023	14 Feb 2023	14 Jul 2022
Machine Age	mls	Client Info	158564	132080	105544
Oil Age	mls	Client Info	107438	107490	24590
Oil Changed	Client Info		Changed	Not Changd	Not Changd
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >870	270	261	253
Chromium	ppm	ASTM D5185m >8	2	2	2
Nickel	ppm	ASTM D5185m >25	9	11	6
Titanium	ppm	ASTM D5185m >4	0	<1	<1
Silver	ppm	ASTM D5185m	0	<1	<1
Aluminum	ppm	ASTM D5185m >40	4	6	7
Lead	ppm	ASTM D5185m >25	0	0	<1
Copper	ppm	ASTM D5185m >60	<1	1	1
Tin	ppm	ASTM D5185m >5	0	<1	0
Antimony	ppm	ASTM D5185m >5	---	---	---
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	270	222	248
Barium	ppm	ASTM D5185m	0	<1	2
Molybdenum	ppm	ASTM D5185m	14	13	13
Manganese	ppm	ASTM D5185m	4	3	3
Magnesium	ppm	ASTM D5185m	43	46	47
Calcium	ppm	ASTM D5185m	114	123	123
Phosphorus	ppm	ASTM D5185m	1403	1248	1301
Zinc	ppm	ASTM D5185m	73	85	90
Sulfur	ppm	ASTM D5185m	26081	23961	25357

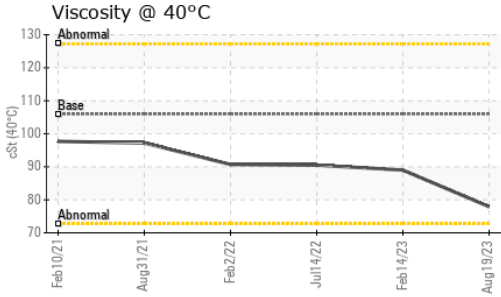
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >285	133	135	131
Sodium	ppm	ASTM D5185m	5	3	0
Potassium	ppm	ASTM D5185m >20	0	<1	2

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	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

OIL ANALYSIS REPORT



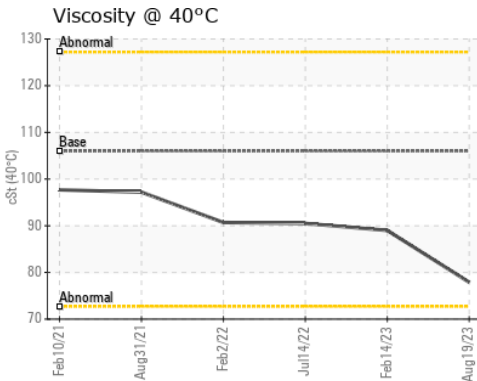
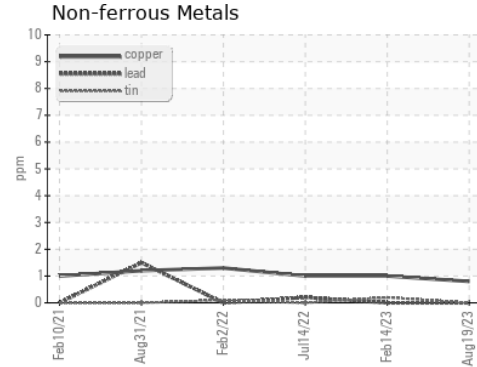
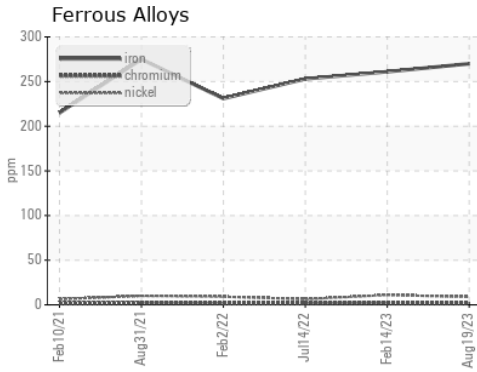
FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	106	77.9	89.0	90.5

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. : PCA0103238 **Received** : 28 Aug 2023
Lab Number : **05936438** **Diagnosed** : 29 Aug 2023
Unique Number : 10621709 **Diagnostician** : Don Baldrige
Test Package : FLEET

NW WHITE & CO - ANDERSON DIVISION
 2605 RIVER RD
 PIEDMONT, SC
 US 29673
 Contact: James Threatt
 jthreatt@nwwhite.com
 T: (864)918-4646
 F:

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)