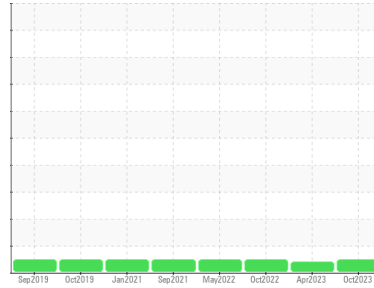


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
DT630
Component
Rear Differential
Fluid
CHEVRON RPM SYNTHETIC GEAR 75W90 (3 mls)

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		PCA0103322	PCA0091182	PCA0080954
Sample Date	Client Info		10 Oct 2023	26 Apr 2023	12 Oct 2022
Machine Age	mls	Client Info	261609	236127	209578
Oil Age	mls	Client Info	235060	236127	158684
Oil Changed	Client Info		Not Chngd	Not Chngd	Changed
Sample Status			NORMAL	ABNORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >870	71	50	149
Chromium	ppm	ASTM D5185m >8	<1	<1	1
Nickel	ppm	ASTM D5185m >25	4	2	7
Titanium	ppm	ASTM D5185m >4	0	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >40	2	2	6
Lead	ppm	ASTM D5185m >25	0	0	0
Copper	ppm	ASTM D5185m >60	<1	0	1
Tin	ppm	ASTM D5185m >5	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	193	222	213
Barium	ppm	ASTM D5185m	2	0	0
Molybdenum	ppm	ASTM D5185m	18	18	<1
Manganese	ppm	ASTM D5185m	<1	1	2
Magnesium	ppm	ASTM D5185m	180	188	<1
Calcium	ppm	ASTM D5185m	236	252	7
Phosphorus	ppm	ASTM D5185m	1276	1337	1344
Zinc	ppm	ASTM D5185m	265	270	8
Sulfur	ppm	ASTM D5185m	20879	24094	27095

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >285	32	21	70
Sodium	ppm	ASTM D5185m	0	<1	<1
Potassium	ppm	ASTM D5185m >20	<1	<1	0

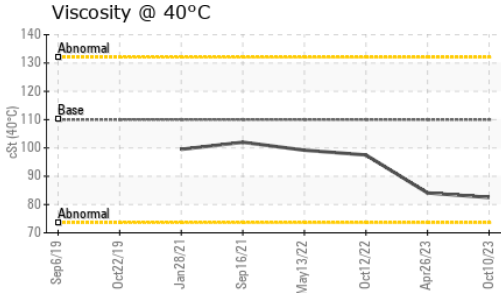
VISUAL

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

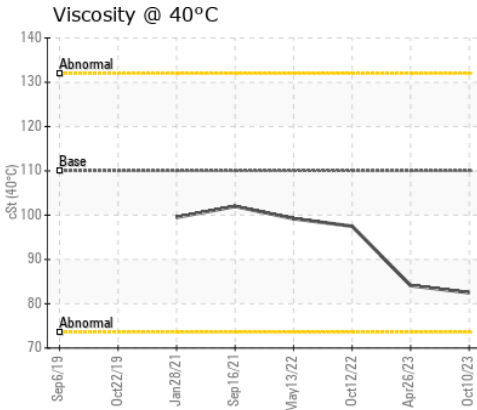
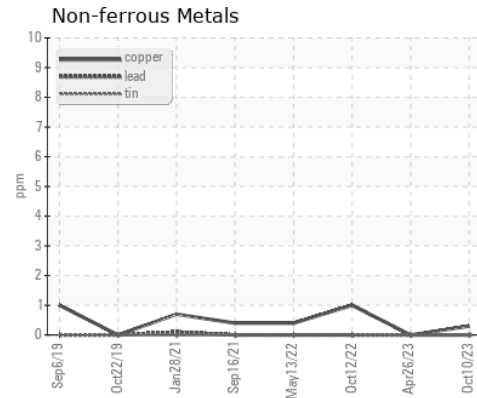
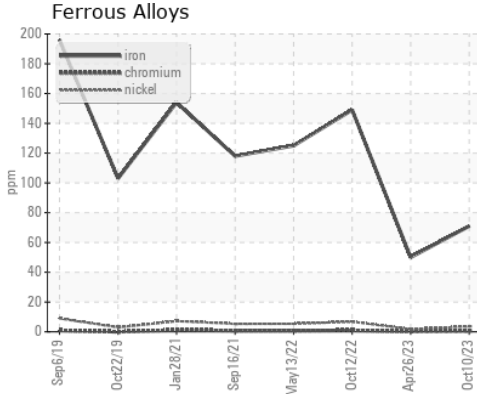
	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 110	82.5	84.1	97.5

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. : PCA0103322 **Received** : 12 Oct 2023
Lab Number : 05977421 **Diagnosed** : 16 Oct 2023
Unique Number : 10689371 **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)