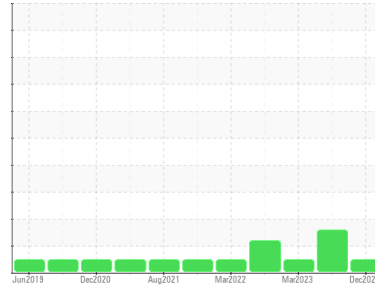


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
DT639

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		PCA0111660	PCA0101872	PCA0087478
Sample Date	Client Info		06 Dec 2023	25 Jul 2023	14 Mar 2023
Machine Age	mls	Client Info	248163	248163	248163
Oil Age	mls	Client Info	71725	71725	71725
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	ABNORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	164	291	109
Chromium	ppm	ASTM D5185m >10	1	3	<1
Nickel	ppm	ASTM D5185m >10	<1	1	0
Titanium	ppm	ASTM D5185m	<1	<1	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	3	9	3
Lead	ppm	ASTM D5185m >25	<1	0	0
Copper	ppm	ASTM D5185m >100	<1	<1	<1
Tin	ppm	ASTM D5185m >10	0	0	0
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	239	267	220
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	16	20	20
Manganese	ppm	ASTM D5185m	2	3	1
Magnesium	ppm	ASTM D5185m	59	77	71
Calcium	ppm	ASTM D5185m	147	192	187
Phosphorus	ppm	ASTM D5185m	1180	1284	1257
Zinc	ppm	ASTM D5185m	116	143	131
Sulfur	ppm	ASTM D5185m	21419	22729	24249

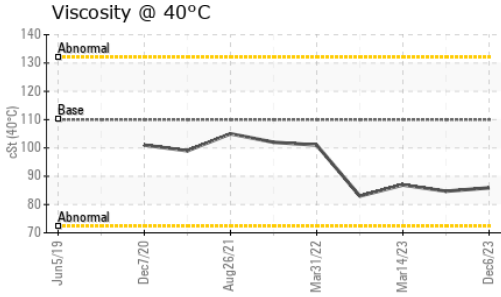
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	30	▲ 84	23
Sodium	ppm	ASTM D5185m	0	0	<1
Potassium	ppm	ASTM D5185m >20	0	2	0

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	MODER	NONE
Debris	scalar	*Visual NONE	NONE	NONE	LIGHT
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

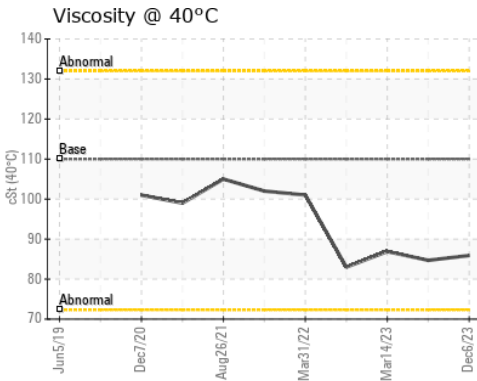
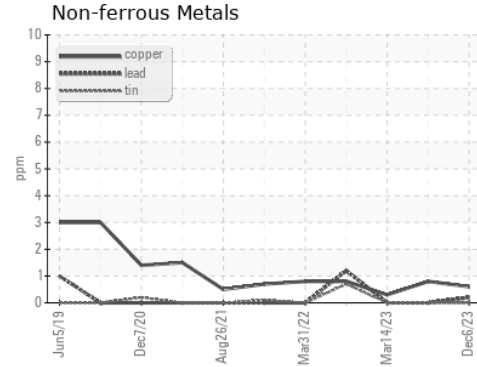
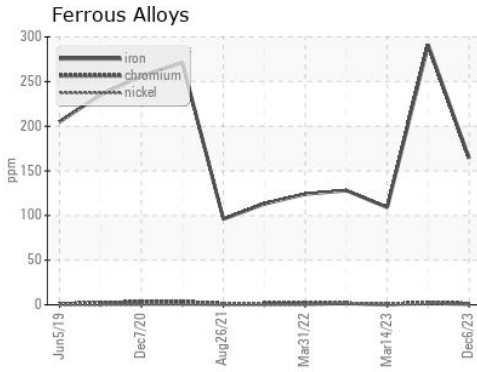
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	110	85.9	84.7	86.9

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0111660 **Received** : 20 Dec 2023
Lab Number : 06040855 **Diagnosed** : 22 Dec 2023
Unique Number : 10796084 **Diagnostician** : Don Baldrige
Test Package : FLEET

NW WHITE & CO - BEAUFORT DIVISION
 1491 YENMASSEE HIGHWAY
 VARNVILLE, SC
 US 29944
 Contact: VINCENT BULLOCK
 bullockvince514@gmail.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)