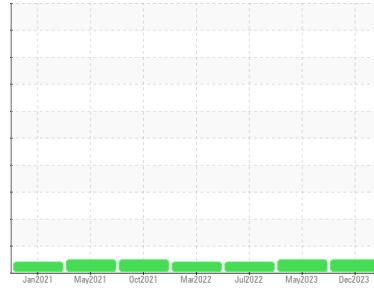


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
DT764
Component
Rear 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		PCA0107422	PCA0098193	PCA0078434
Sample Date	Client Info		06 Dec 2023	29 May 2023	30 Jul 2022
Machine Age	mls	Client Info	202016	151007	100797
Oil Age	mls	Client Info	0	151007	100797
Oil Changed	Client Info		Not Chngd	Not Chngd	N/A
Sample Status			NORMAL	NORMAL	ABNORMAL

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 >870	171	123	183
Chromium	ppm	ASTM D5185m >8	1	0	1
Nickel	ppm	ASTM D5185m >25	7	4	10
Titanium	ppm	ASTM D5185m >4	<1	0	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >40	2	5	12
Lead	ppm	ASTM D5185m >25	0	0	0
Copper	ppm	ASTM D5185m >60	0	0	<1
Tin	ppm	ASTM D5185m >5	0	0	<1
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	213	221	241
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	7	7	7
Manganese	ppm	ASTM D5185m	2	<1	2
Magnesium	ppm	ASTM D5185m	89	91	63
Calcium	ppm	ASTM D5185m	153	158	97
Phosphorus	ppm	ASTM D5185m	1396	1346	1262
Zinc	ppm	ASTM D5185m	135	128	91
Sulfur	ppm	ASTM D5185m	21922	25056	24958

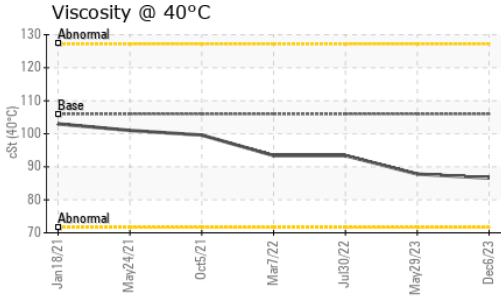
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >285	72	58	59
Sodium	ppm	ASTM D5185m	1	<1	2
Potassium	ppm	ASTM D5185m >20	0	0	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	LIGHT	NONE	▲ MODER
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

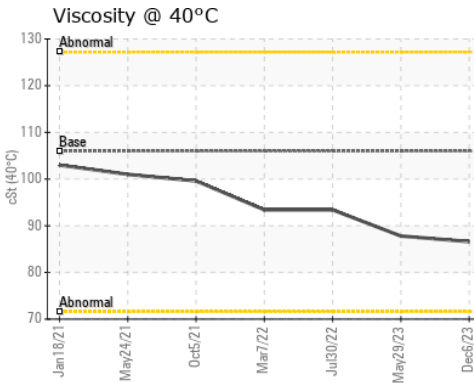
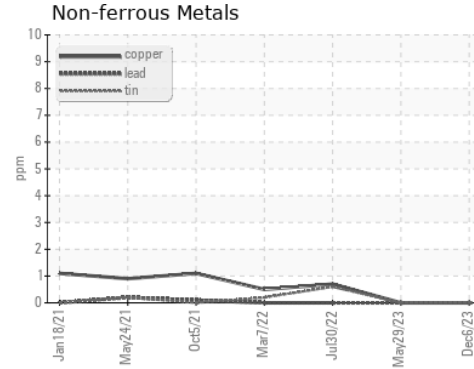
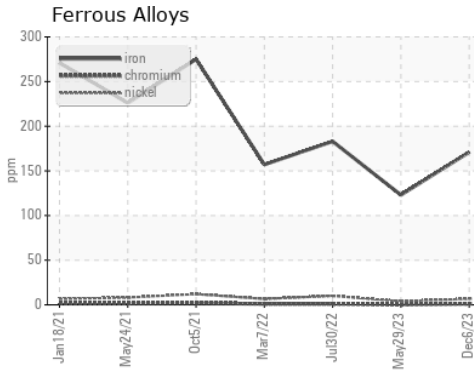


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	106	86.6	87.8	93.4

SAMPLE IMAGES	method	limit/base	current	history1	history2
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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. : PCA0107422
Lab Number : 06029788
Unique Number : 10779579
Test Package : FLEET

Received : 08 Dec 2023
Diagnosed : 12 Dec 2023
Diagnostician : Don Baldrige

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: