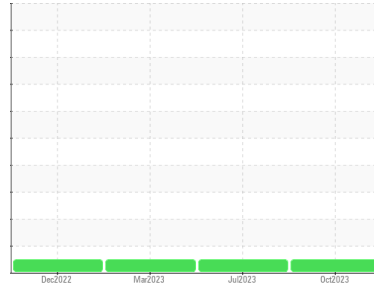


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
DT852

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		PCA0101815	PCA0095266	PCA0095278
Sample Date	Client Info		25 Oct 2023	05 Jul 2023	31 Mar 2023
Machine Age	mls	Client Info	25000	25000	25000
Oil Age	mls	Client Info	25000	25000	25000
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	70	131	113
Chromium	ppm	ASTM D5185m >10	0	1	1
Nickel	ppm	ASTM D5185m >10	0	<1	<1
Titanium	ppm	ASTM D5185m	0	<1	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	0	1	<1
Lead	ppm	ASTM D5185m >25	0	0	0
Copper	ppm	ASTM D5185m >100	0	<1	0
Tin	ppm	ASTM D5185m >10	0	0	0
Vanadium	ppm	ASTM D5185m	0	<1	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	208	275	237
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	17	0	<1
Manganese	ppm	ASTM D5185m	1	5	5
Magnesium	ppm	ASTM D5185m	87	<1	<1
Calcium	ppm	ASTM D5185m	185	8	6
Phosphorus	ppm	ASTM D5185m	1244	1317	1336
Zinc	ppm	ASTM D5185m	154	8	9
Sulfur	ppm	ASTM D5185m	20907	25056	28955

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	7	23	15
Sodium	ppm	ASTM D5185m	3	7	6
Potassium	ppm	ASTM D5185m >20	<1	0	<1

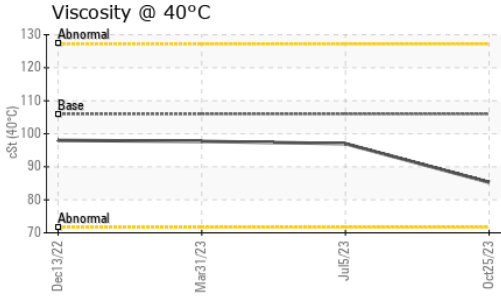
VISUAL

	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	LIGHT	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

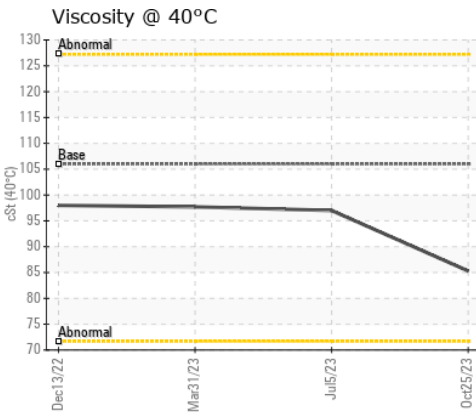
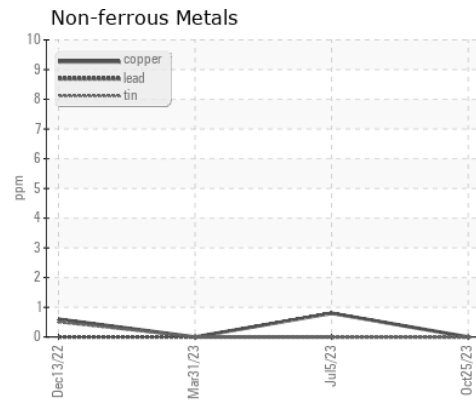
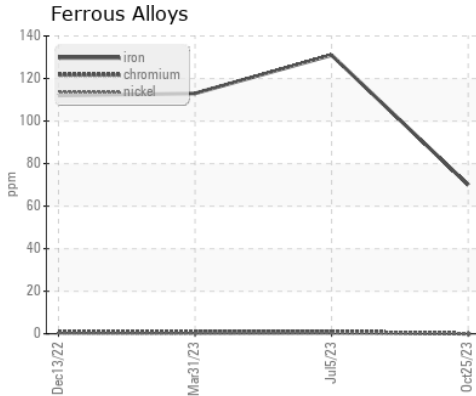
	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 106	85.3	97.0	97.7

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. : PCA0101815 **Received** : 14 Nov 2023
Lab Number : **06007234** **Diagnosed** : 16 Nov 2023
Unique Number : 10740996 **Diagnostician** : Don Baldrige
Test Package : FLEET

NW WHITE & CO - BEAUFORT DIVISION
 1491 YENMASSEE HIGHWAY
 VARNVILLE, SC
 US 29944
 Contact: DAVID WEBB
 63DAVIDWDAVID@GMAIL.COM
 T: (864)973-1607
 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)