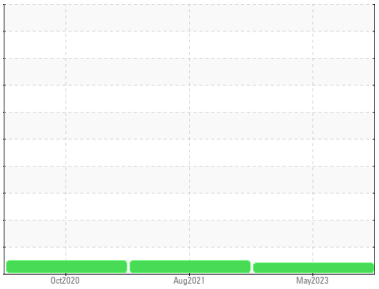
OIL DIAGNOSTICS

PROBLEM SUMMARY

Sample Rating Trend



VIS DEBRIS

Machine Id
1926747
Component
Rear Differential
Fluid
GEAR OIL SAE 75W90 (--- QTS)

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

No corrective action is recommended at this time.
Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	NORMAL	NORMAL
Debris	scalar	*Visual	NONE	▲ **MODER**	NONE	NONE

Customer Id: PERGEODE
Sample No.: PCA0099470
Lab Number: 06031025
Test Package: FLEET

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

30 Aug 2021 Diag: Don Baldridge

NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report

19 Oct 2020 Diag: Jonathan Hester

NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

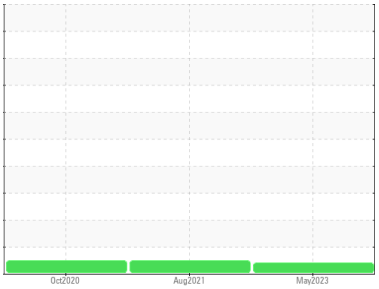
view report

OIL ANALYSIS REPORT

OIL DIAGNOSTICS

Machine Id
1926747
Component
Rear Differential
Fluid
GEAR OIL SAE 75W90 (--- QTS)

Sample Rating Trend



VIS DEBRIS

DIAGNOSIS

Recommendation
No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
Moderate concentration of visible dirt/debris present 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		**PCA0099470**	PCA0057192	PCA0032380
Sample Date		Client Info		**28 May 2023**	30 Aug 2021	19 Oct 2020
Machine Age	mls	Client Info		**282660**	135728	57901
Oil Age	mls	Client Info		**282660**	0	57901
Oil Changed		Client Info		**Not Changd**	Not Changd	Not Changd
Sample Status				**ABNORMAL**	NORMAL	NORMAL

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

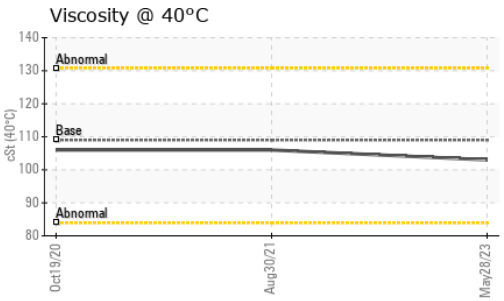
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	**208**	157	141
Chromium	ppm	ASTM D5185m	>10	**1**	1	1
Nickel	ppm	ASTM D5185m	>10	**21**	18	15
Titanium	ppm	ASTM D5185m		**0**	<1	<1
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**2**	3	3
Lead	ppm	ASTM D5185m	>25	**0**	1	0
Copper	ppm	ASTM D5185m	>100	**2**	2	1
Tin	ppm	ASTM D5185m	>10	**0**	0	0
Antimony	ppm	ASTM D5185m	>5	**---**	0	0
Vanadium	ppm	ASTM D5185m		**0**	<1	0
Cadmium	ppm	ASTM D5185m		**0**	<1	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	**278**	266	258
Barium	ppm	ASTM D5185m	200	**<1**	<1	<1
Molybdenum	ppm	ASTM D5185m	12	**0**	0	0
Manganese	ppm	ASTM D5185m		**13**	10	10
Magnesium	ppm	ASTM D5185m	12	**1**	<1	0
Calcium	ppm	ASTM D5185m	150	**10**	8	8
Phosphorus	ppm	ASTM D5185m	1650	**1351**	1232	1191
Zinc	ppm	ASTM D5185m	125	**15**	18	16
Sulfur	ppm	ASTM D5185m	22500	**23247**	20189	20603

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	**21**	18	20
Sodium	ppm	ASTM D5185m		**6**	6	4
Potassium	ppm	ASTM D5185m	>20	**1**	4	2

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

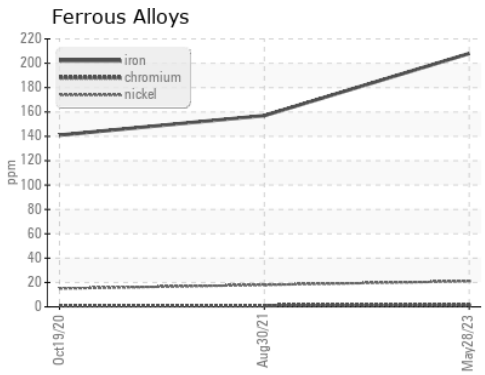
OIL ANALYSIS REPORT

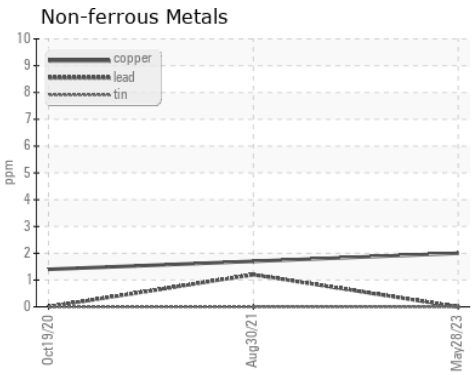


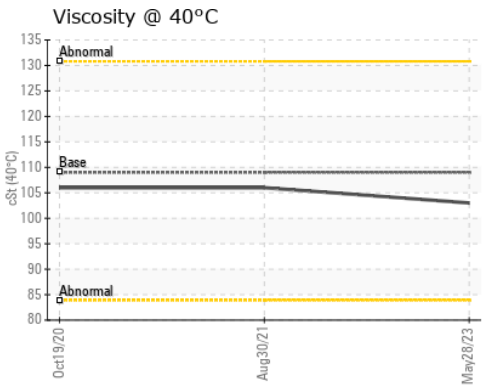
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	109	**103**	106	106

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.	: PCA0099470	**Received**	: 11 Dec 2023
Lab Number	: 06031025	**Diagnosed**	: 14 Dec 2023
Unique Number	: 10780816	**Diagnostician**	: Don Baldridge
Test Package	: FLEET		

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)

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