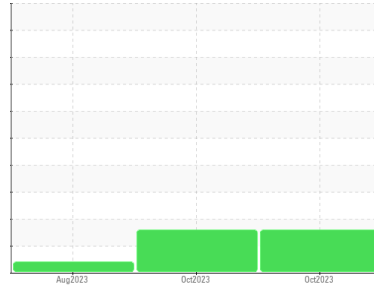


PROBLEM SUMMARY

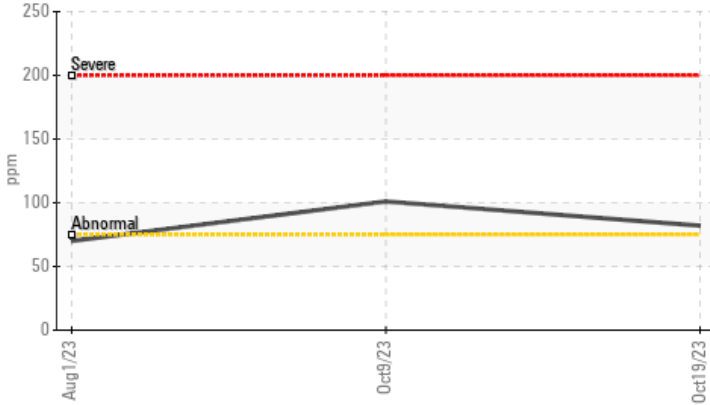
Sample Rating Trend



Machine Id
2026823
Component
Front Differential
Fluid
GEAR OIL SAE 75W90 (--- QTS)

COMPONENT CONDITION SUMMARY

▲ Silicon (ppm)



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status	ABNORMAL	ABNORMAL	ABNORMAL
Silicon	ppm	ASTM D5185m	>75
	▲ 82	▲ 101	70

Customer Id: PERLEWNC
Sample No.: PCA0107908
Lab Number: 05985084
Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldrige +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

09 Oct 2023 Diag: Don Baldrige

DIRT



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

view report



01 Aug 2023 Diag: Don Baldrige

VIS DEBRIS



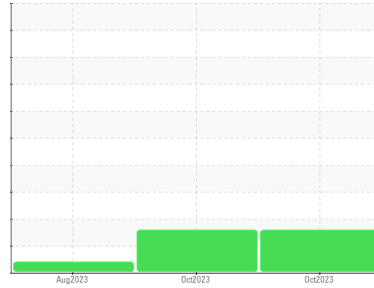
No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
2026823
 Component
Front Differential
 Fluid
GEAR OIL SAE 75W90 (--- QTS)

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**
 Elemental level of silicon (Si) above normal indicating ingress of seal material.
- 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	PCA0107908	PCA0107892	PCA0101118
Sample Date	Client Info	19 Oct 2023	09 Oct 2023	01 Aug 2023
Machine Age	mls	Client Info	371026	351540
Oil Age	mls	Client Info	371026	351540
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >500	272	331	270
Chromium	ppm	ASTM D5185m >10	2	3	2
Nickel	ppm	ASTM D5185m >10	4	6	4
Titanium	ppm	ASTM D5185m	<1	<1	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	2	8	4
Lead	ppm	ASTM D5185m >25	6	8	6
Copper	ppm	ASTM D5185m >100	90	102	80
Tin	ppm	ASTM D5185m >10	7	9	7
Vanadium	ppm	ASTM D5185m	<1	0	<1
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m 400	234	280	257
Barium	ppm	ASTM D5185m 200	3	4	0
Molybdenum	ppm	ASTM D5185m 12	<1	<1	0
Manganese	ppm	ASTM D5185m	10	13	10
Magnesium	ppm	ASTM D5185m 12	2	2	<1
Calcium	ppm	ASTM D5185m 150	13	13	9
Phosphorus	ppm	ASTM D5185m 1650	1308	1520	1291
Zinc	ppm	ASTM D5185m 125	14	22	13
Sulfur	ppm	ASTM D5185m 22500	22076	26609	25029

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >75	▲ 82	▲ 101	70
Sodium	ppm	ASTM D5185m	6	10	8
Potassium	ppm	ASTM D5185m >20	2	2	1

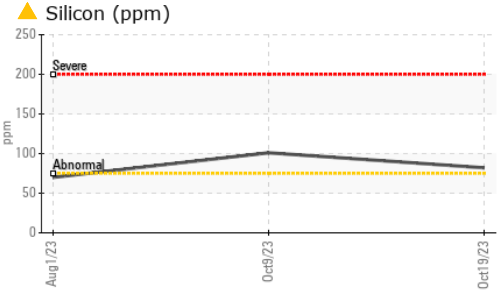
VISUAL

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	NONE	NONE
Debris	scalar	*Visual NONE	NONE	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

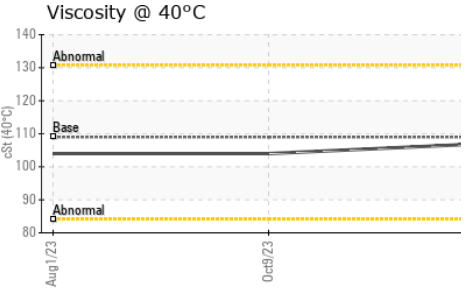
FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445 109	107	104	104

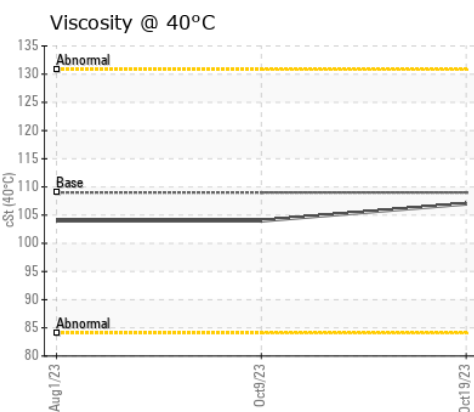
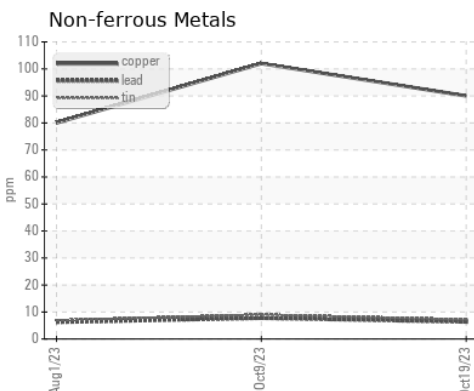
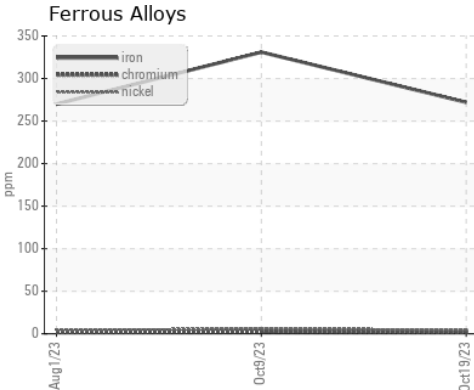
OIL ANALYSIS REPORT



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. : PCA0107908 **Received** : 20 Oct 2023
Lab Number : 05985084 **Diagnosed** : 23 Oct 2023
Unique Number : 10702379 **Diagnostician** : Don Baldrige
Test Package : FLEET

PERDUE FARMS - Lewiston
 210 GRIFFINS QUARTER RD
 LEWISTON, NC
 US 27849
 Contact: NELSON WALLACE
 nelson.wallace2@perdue.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)