

PROBLEM SUMMARY

Sample Rating Trend

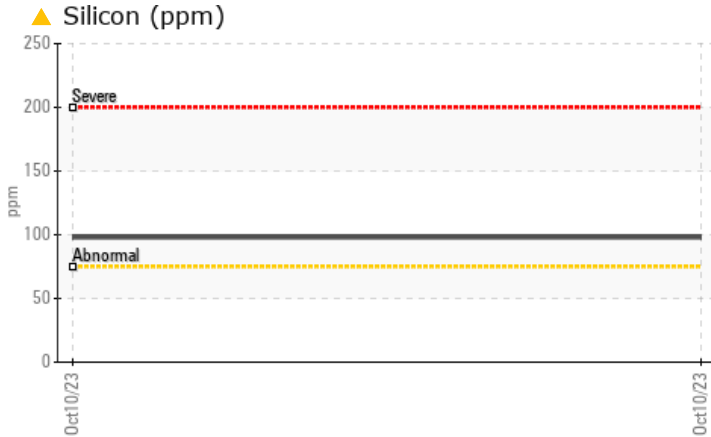


DIRT



Machine Id
2026847
Component
Front Differential
Fluid
GEAR OIL SAE 75W90 (--- QTS)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Silicon	ppm	ASTM D5185m	>75	▲ 98	---	---

Customer Id: PERLEWNC
Sample No.: PCA0107897
Lab Number: 05977427
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

OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Machine Id
2026847
 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	PCA0107897	---	---
Sample Date	Client Info	10 Oct 2023	---	---
Machine Age	mls	Client Info	354970	---
Oil Age	mls	Client Info	354970	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>500	270	---	---
Chromium	ppm	ASTM D5185m	>10	3	---	---
Nickel	ppm	ASTM D5185m	>10	6	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	1	---	---
Lead	ppm	ASTM D5185m	>25	4	---	---
Copper	ppm	ASTM D5185m	>100	55	---	---
Tin	ppm	ASTM D5185m	>10	5	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
Cadmium	ppm	ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	400	199	---	---
Barium	ppm	ASTM D5185m	200	6	---	---
Molybdenum	ppm	ASTM D5185m	12	<1	---	---
Manganese	ppm	ASTM D5185m		15	---	---
Magnesium	ppm	ASTM D5185m	12	3	---	---
Calcium	ppm	ASTM D5185m	150	11	---	---
Phosphorus	ppm	ASTM D5185m	1650	1277	---	---
Zinc	ppm	ASTM D5185m	125	24	---	---
Sulfur	ppm	ASTM D5185m	22500	23437	---	---

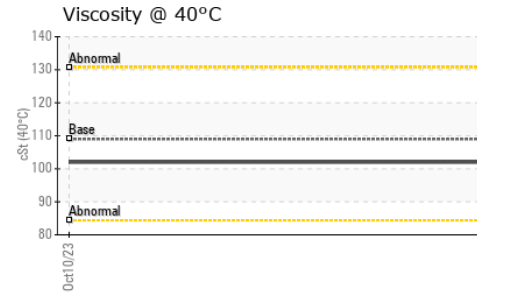
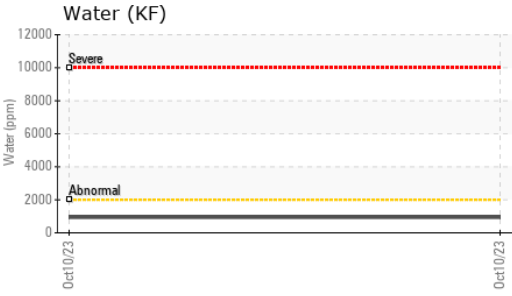
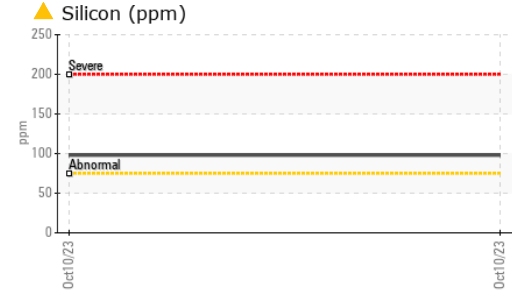
CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>75	▲ 98	---	---
Sodium	ppm	ASTM D5185m		9	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water	%	ASTM D6304	>.2	0.094	---	---
ppm Water	ppm	ASTM D6304	>2000	940	---	---

VISUAL

method	limit/base	current	history1	history2		
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>.2	0.2%	---	---
Free Water	scalar	*Visual		NEG	---	---

OIL ANALYSIS REPORT

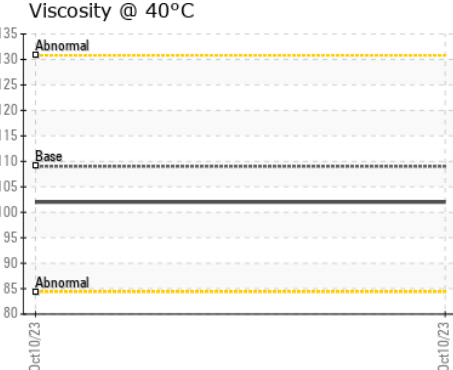
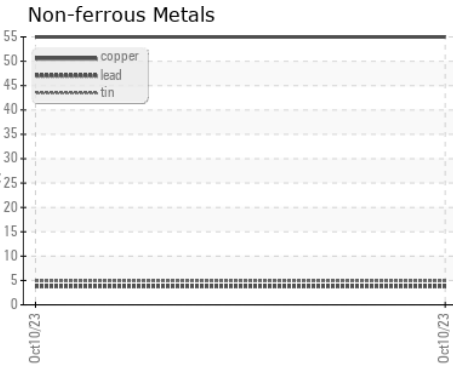
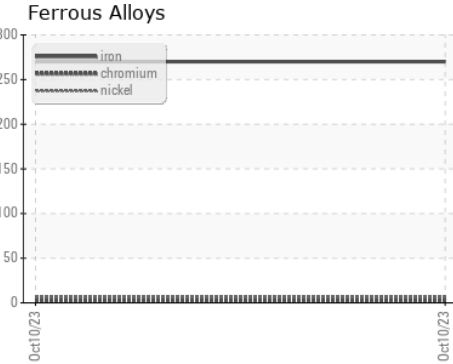


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	109	102	---	---

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. : PCA0107897 **Received** : 12 Oct 2023
Lab Number : **05977427** **Diagnosed** : 16 Oct 2023
Unique Number : 10689377 **Diagnostician** : Don Baldrige
Test Package : FLEET (Additional Tests: KF)

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)

T:
F: