

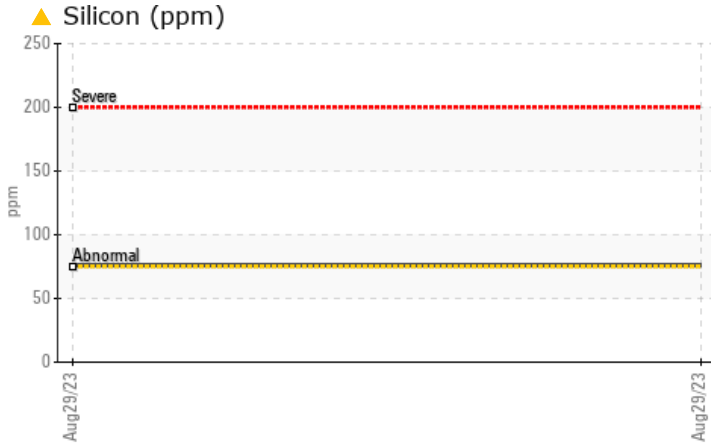
PROBLEM SUMMARY

Area
FLEET
 Machine Id
2126976
 Component
Rear Differential
 Fluid
GEAR OIL SAE 75W90 (--- GAL)

Sample Rating Trend



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	▲ 76	---	---

Customer Id: PERDILSC
 Sample No.: PCA0104880
 Lab Number: 05939378
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Sean Felton +1 919-379-4092
sfelton@wearcheckusa.com

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



Area
FLEET
 Machine Id
2126976
 Component
Rear Differential
 Fluid
GEAR OIL SAE 75W90 (--- GAL)

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	PCA0104880	---	---
Sample Date	Client Info	29 Aug 2023	---	---
Machine Age	hrs	Client Info	0	---
Oil Age	hrs	Client Info	0	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	235	---
Chromium	ppm	ASTM D5185m >10	3	---
Nickel	ppm	ASTM D5185m >10	5	---
Titanium	ppm	ASTM D5185m	<1	---
Silver	ppm	ASTM D5185m	0	---
Aluminum	ppm	ASTM D5185m >25	4	---
Lead	ppm	ASTM D5185m >25	0	---
Copper	ppm	ASTM D5185m >100	2	---
Tin	ppm	ASTM D5185m >10	1	---
Vanadium	ppm	ASTM D5185m	0	---
Cadmium	ppm	ASTM D5185m	0	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	158	---
Barium	ppm	ASTM D5185m 200	0	---
Molybdenum	ppm	ASTM D5185m 12	<1	---
Manganese	ppm	ASTM D5185m	13	---
Magnesium	ppm	ASTM D5185m 12	5	---
Calcium	ppm	ASTM D5185m 150	24	---
Phosphorus	ppm	ASTM D5185m 1650	1104	---
Zinc	ppm	ASTM D5185m 125	31	---
Sulfur	ppm	ASTM D5185m 22500	30569	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	▲ 76	---
Sodium	ppm	ASTM D5185m	6	---
Potassium	ppm	ASTM D5185m >20	4	---

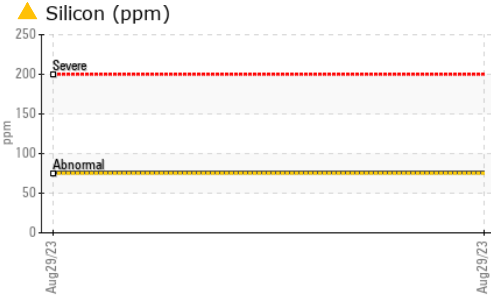
VISUAL

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	NEG	---
Free Water	scalar	*Visual	NEG	---

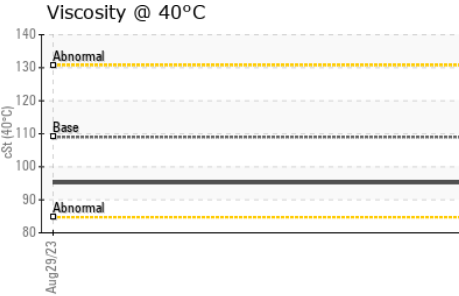
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 109	95.2	---

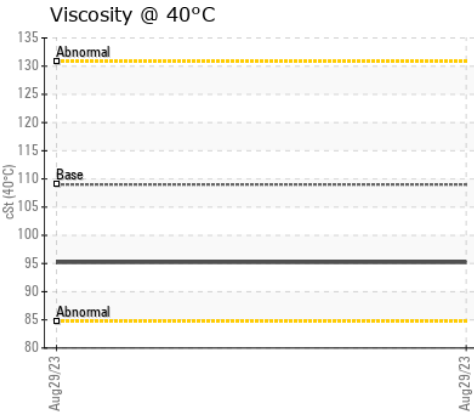
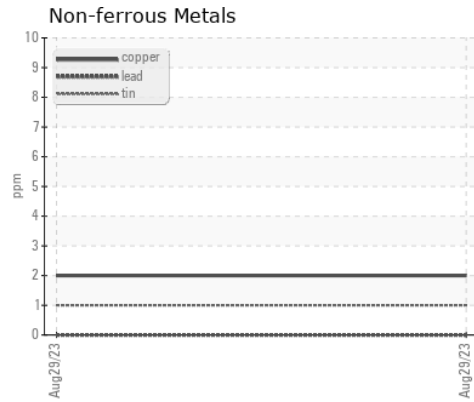
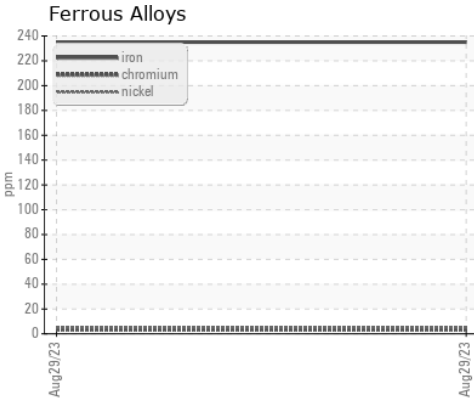
OIL ANALYSIS REPORT



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. : PCA0104880 **Received** : 30 Aug 2023
Lab Number : **05939378** **Diagnosed** : 01 Sep 2023
Unique Number : 10629990 **Diagnostician** : Sean Felton
Test Package : FLEET

PERDUE FARMS - DILLON
 2047 HWY 9 WEST
 DILLON, SC
 US 29536
 Contact: KEVIN HOOKS
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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)