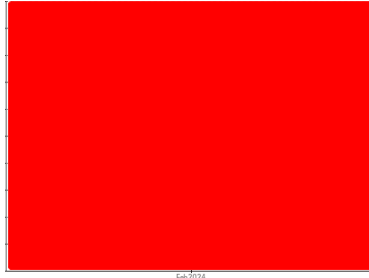


PROBLEM SUMMARY

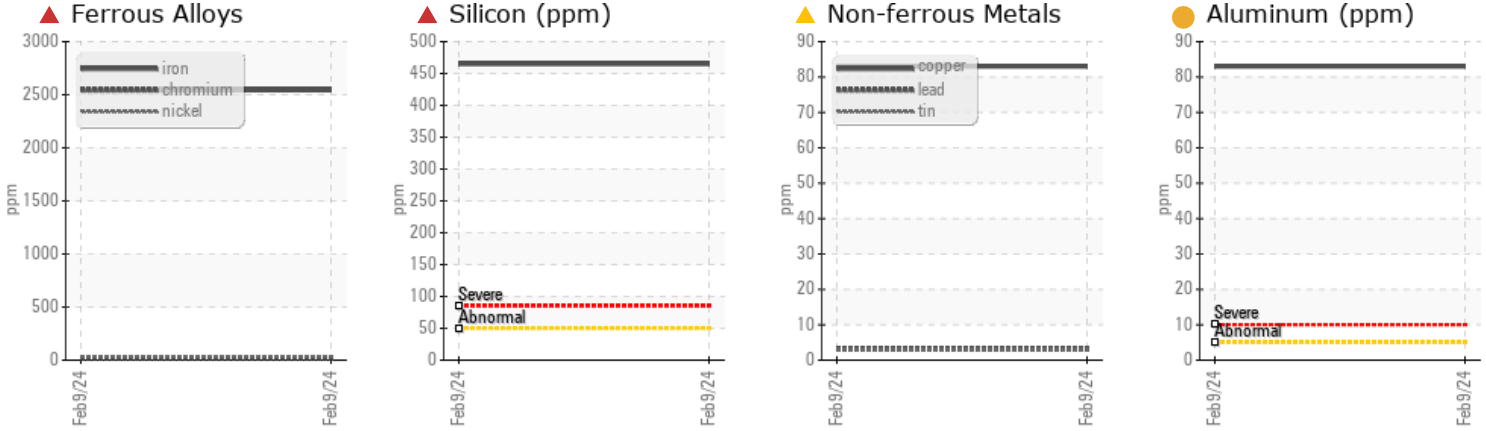
Sample Rating Trend

WEAR



Machine Id
26663
Component
Tandem
Fluid
GEAR OIL SAE 75W90 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Iron	ppm	ASTM D5185m	>425	▲ 2543	---	---
Chromium	ppm	ASTM D5185m	>5	▲ 21	---	---
Nickel	ppm	ASTM D5185m	>5	▲ 33	---	---
Copper	ppm	ASTM D5185m	>8	▲ 83	---	---
Silicon	ppm	ASTM D5185m	>50	▲ 465	---	---

Customer Id: PERCANN
Sample No.: PCA0118967
Lab Number: 06106800
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

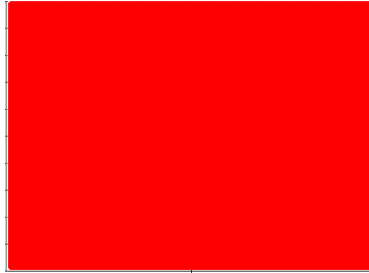
Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Change Fluid	---	---	?	We recommend that you drain the oil from the component if this has not already been done.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Dirt Access	---	---	?	We advise that you check all areas where dirt can enter the system.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Machine Id
26663
Component
Tandem
Fluid
GEAR OIL SAE 75W90 (--- GAL)

DIAGNOSIS

▲ Recommendation

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

▲ Wear

Gear wear is indicated. Bearing and/or bushing wear is indicated.

▲ Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0118967	---	---
Sample Date	Client Info		09 Feb 2024	---	---
Machine Age	mls	Client Info	30000	---	---
Oil Age	mls	Client Info	30000	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			SEVERE	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>425	▲ 2543	---
Chromium	ppm	ASTM D5185m	>5	▲ 21	---
Nickel	ppm	ASTM D5185m	>5	▲ 33	---
Titanium	ppm	ASTM D5185m		5	---
Silver	ppm	ASTM D5185m		0	---
Aluminum	ppm	ASTM D5185m	>5	● 83	---
Lead	ppm	ASTM D5185m		3	---
Copper	ppm	ASTM D5185m	>8	▲ 83	---
Tin	ppm	ASTM D5185m		3	---
Vanadium	ppm	ASTM D5185m		<1	---
Cadmium	ppm	ASTM D5185m		<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	111	---
Barium	ppm	ASTM D5185m	200	2	---
Molybdenum	ppm	ASTM D5185m	12	3	---
Manganese	ppm	ASTM D5185m		30	---
Magnesium	ppm	ASTM D5185m	12	23	---
Calcium	ppm	ASTM D5185m	150	97	---
Phosphorus	ppm	ASTM D5185m	1650	1014	---
Zinc	ppm	ASTM D5185m	125	43	---
Sulfur	ppm	ASTM D5185m	22500	13599	---

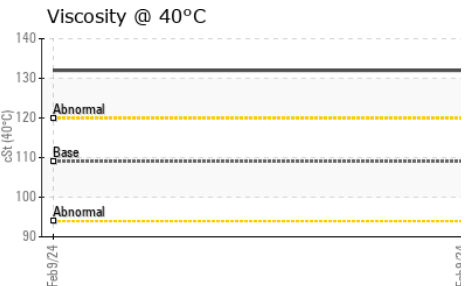
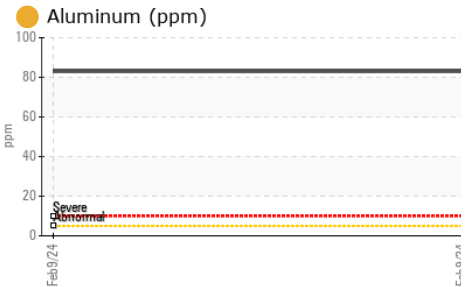
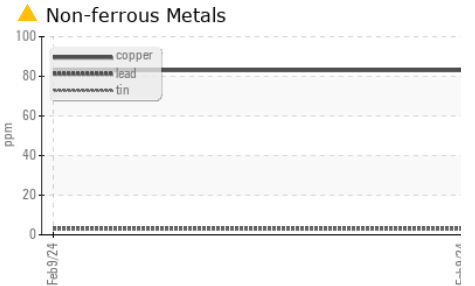
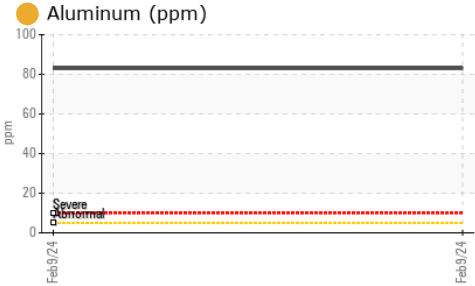
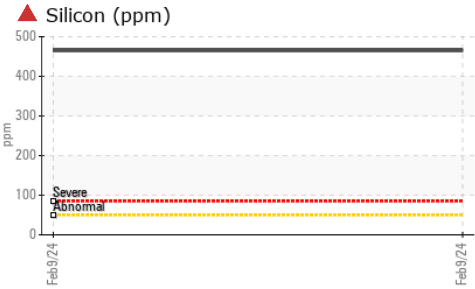
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	▲ 465	---
Sodium	ppm	ASTM D5185m		27	---
Potassium	ppm	ASTM D5185m	>20	23	---

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	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

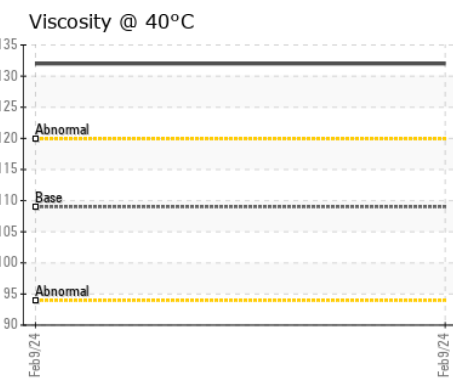
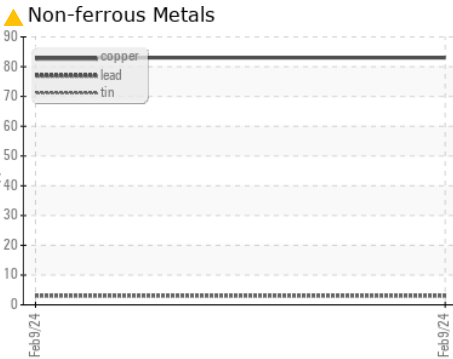
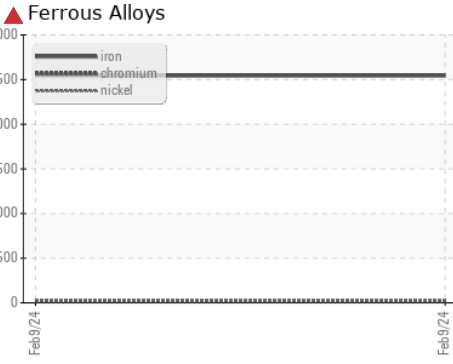
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	109	132	---	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0118967
Lab Number : **06106800**
Unique Number : 10910297
Test Package : FLEET

Received : 01 Mar 2024
Tested : 04 Mar 2024
Diagnosed : 05 Mar 2024 - Sean Felton

PERDUE FARMS INC - GARAGE
 189 PERDUE WAY
 CANDOR, NC
 US 27229
 Contact: Service Manager

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)