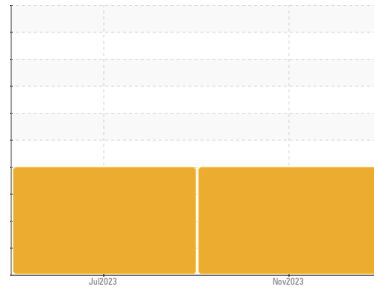


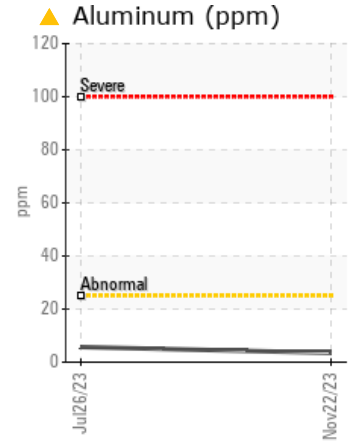
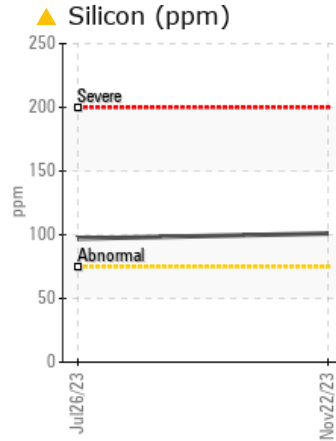
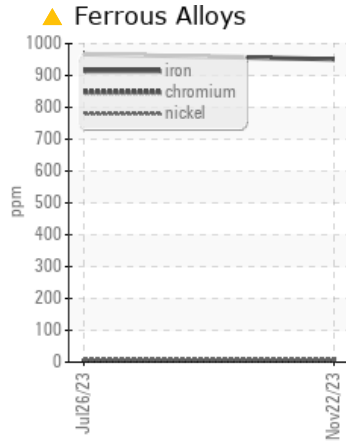
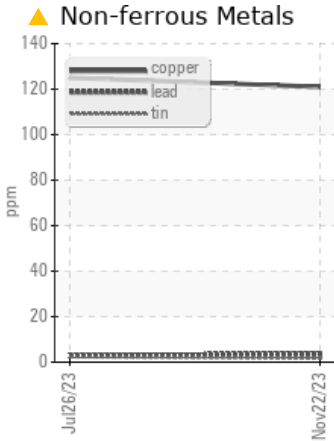
PROBLEM SUMMARY

Sample Rating Trend



Machine Id
2026817
 Component
Front Differential
 Fluid
GEAR OIL SAE 75W90 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>500	▲ 951	▲ 967	---
Aluminum	ppm	ASTM D5185m	>25	▲ 4	▲ 6	---
Copper	ppm	ASTM D5185m	>100	▲ 121	▲ 125	---
Silicon	ppm	ASTM D5185m	>75	▲ 101	▲ 97	---

Customer Id: PERDILSC
 Sample No.: PCA0112379
 Lab Number: 06032540
 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

Action	Status	Date	Done By	Description
Check Dirt Access	---	---	?	We advise that you check all areas where dirt can enter the system.

HISTORICAL DIAGNOSIS

26 Jul 2023 Diag: Jonathan Hester

DIRT



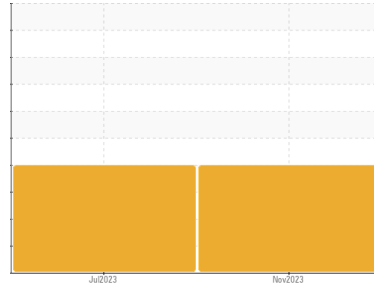
We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. Bearing and/or gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
2026817
 Component
Front Differential
 Fluid
GEAR OIL SAE 75W90 (--- GAL)

DIAGNOSIS

Recommendation
 We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Wear
 Bearing and/or gear wear is indicated.

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

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	PCA0112379	PCA0102043	---
Sample Date	Client Info	22 Nov 2023	26 Jul 2023	---
Machine Age	mls	Client Info	263601	263601
Oil Age	mls	Client Info	263601	263601
Oil Changed	Client Info	N/A	N/A	---
Sample Status		ABNORMAL	ABNORMAL	---

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>500	▲ 951	▲ 967
Chromium	ppm	ASTM D5185m	>10	8	8
Nickel	ppm	ASTM D5185m	>10	8	9
Titanium	ppm	ASTM D5185m		<1	<1
Silver	ppm	ASTM D5185m		0	0
Aluminum	ppm	ASTM D5185m	>25	▲ 4	▲ 6
Lead	ppm	ASTM D5185m	>25	4	3
Copper	ppm	ASTM D5185m	>100	▲ 121	▲ 125
Tin	ppm	ASTM D5185m	>10	2	2
Vanadium	ppm	ASTM D5185m		0	0
Cadmium	ppm	ASTM D5185m		0	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	400	132	125
Barium	ppm	ASTM D5185m	200	<1	0
Molybdenum	ppm	ASTM D5185m	12	<1	2
Manganese	ppm	ASTM D5185m		18	19
Magnesium	ppm	ASTM D5185m	12	2	0
Calcium	ppm	ASTM D5185m	150	37	40
Phosphorus	ppm	ASTM D5185m	1650	1350	1291
Zinc	ppm	ASTM D5185m	125	15	17
Sulfur	ppm	ASTM D5185m	22500	23035	25322

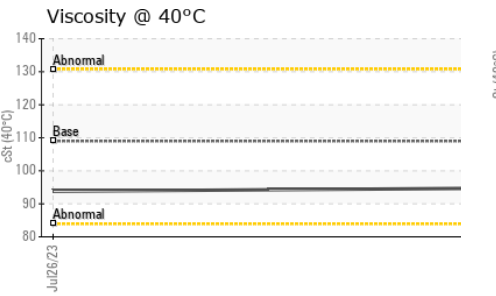
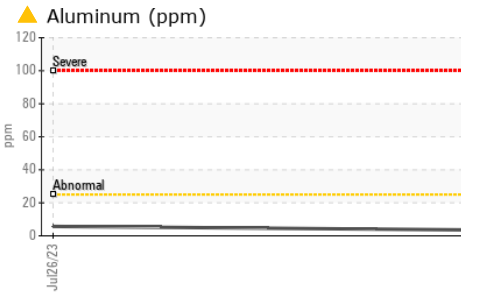
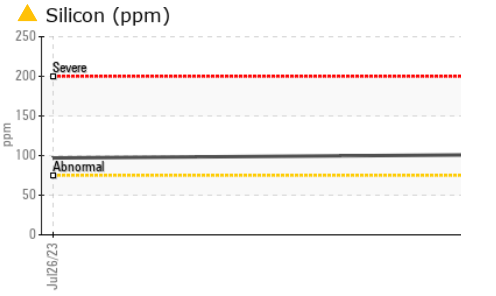
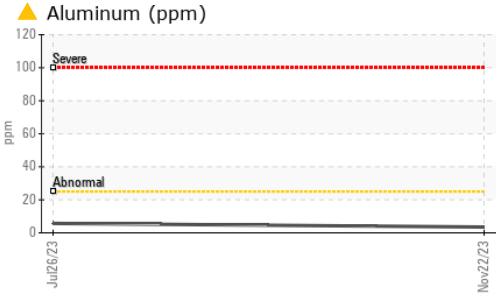
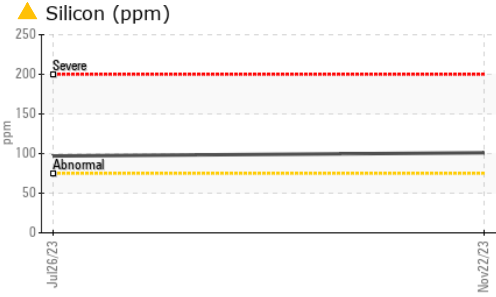
CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>75	▲ 101	▲ 97
Sodium	ppm	ASTM D5185m		8	6
Potassium	ppm	ASTM D5185m	>20	5	2

VISUAL

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

OIL ANALYSIS REPORT



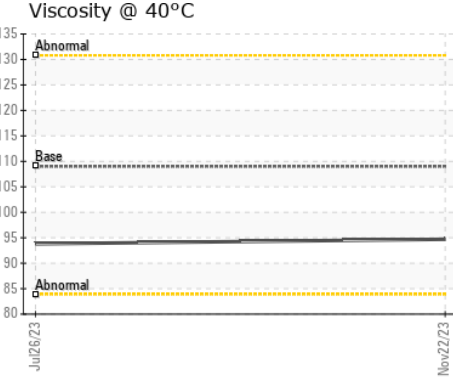
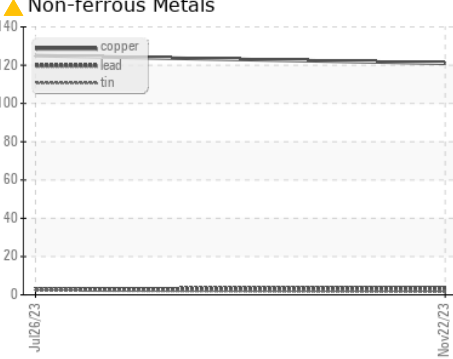
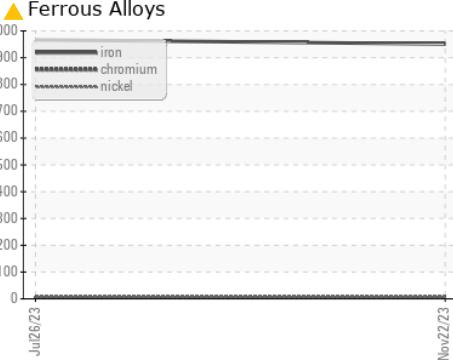
FLUID PROPERTIES

method	limit/base	current	history1	history2		
Visc @ 40°C	cSt	ASTM D445	109	94.7	93.8	---

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. : PCA0112379 **Recieved** : 12 Dec 2023
Lab Number : **06032540** **Diagnosed** : 15 Dec 2023
Unique Number : 10782331 **Diagnostician** : Don Baldrige
Test Package : FLEET

PERDUE FARMS - DILLON
 2047 HWY 9 WEST
 DILLON, SC
 US 29536
 Contact: KEVIN HOOKS
 kevin.hooks@perdue.com
 T: (843)841-8069
 F: (843)841-8070

Certificate L2367
 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)