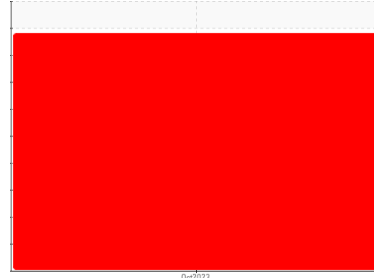


PROBLEM SUMMARY

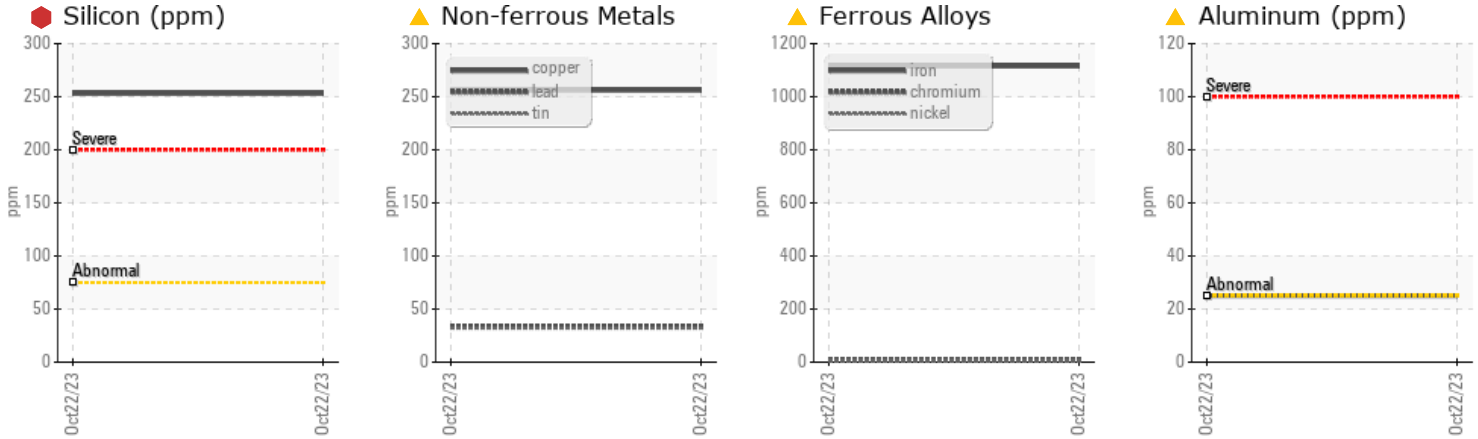
Sample Rating Trend

DIRT

Area
FLEET
 Machine Id
7941 (S/N 000000000000000000)
 Component
1 Differential
 Fluid
GEAR OIL SAE 80 (--- 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 recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Iron	ppm	ASTM D5185m	>500	▲ 1115	---	---
Aluminum	ppm	ASTM D5185m	>25	▲ 25	---	---
Lead	ppm	ASTM D5185m	>25	▲ 33	---	---
Copper	ppm	ASTM D5185m	>100	▲ 256	---	---
Tin	ppm	ASTM D5185m	>10	▲ 32	---	---
Silicon	ppm	ASTM D5185m	>75	● 253	---	---

Customer Id: PERDILSC
 Sample No.: PCA0108148
 Lab Number: 06001885
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@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
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.

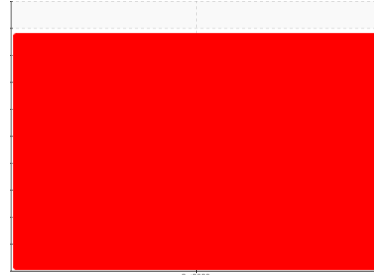
HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend

DIRT

Area
FLEET
Machine Id
7941 (S/N 0000000000000000)
Component
1 Differential
Fluid
GEAR OIL SAE 80 (--- 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 recommend an early resample to monitor this condition.

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0108148	---	---
Sample Date	Client Info	22 Oct 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		SEVERE	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>500	▲ 1115	---	---
Chromium ppm ASTM D5185m	>10	9	---	---
Nickel ppm ASTM D5185m	>10	4	---	---
Titanium ppm ASTM D5185m		<1	---	---
Silver ppm ASTM D5185m		0	---	---
Aluminum ppm ASTM D5185m	>25	▲ 25	---	---
Lead ppm ASTM D5185m	>25	▲ 33	---	---
Copper ppm ASTM D5185m	>100	▲ 256	---	---
Tin ppm ASTM D5185m	>10	▲ 32	---	---
Vanadium ppm ASTM D5185m		0	---	---
Cadmium ppm ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	400	88	---	---
Barium ppm ASTM D5185m	200	17	---	---
Molybdenum ppm ASTM D5185m	12	2	---	---
Manganese ppm ASTM D5185m		16	---	---
Magnesium ppm ASTM D5185m	12	8	---	---
Calcium ppm ASTM D5185m	150	60	---	---
Phosphorus ppm ASTM D5185m	1650	1264	---	---
Zinc ppm ASTM D5185m	125	50	---	---
Sulfur ppm ASTM D5185m	22500	19525	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>75	● 253	---	---
Sodium ppm ASTM D5185m		10	---	---
Potassium ppm ASTM D5185m	>20	7	---	---

VISUAL

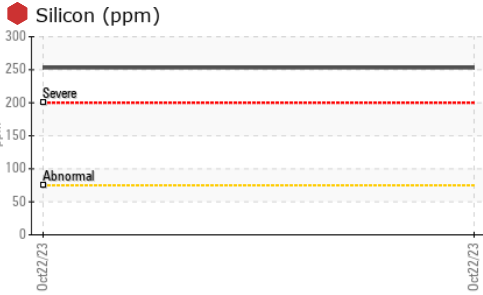
method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	NONE	---	---
Yellow Metal scalar *Visual	NONE	NONE	---	---
Precipitate scalar *Visual	NONE	NONE	---	---
Silt scalar *Visual	NONE	NONE	---	---
Debris scalar *Visual	NONE	NONE	---	---
Sand/Dirt scalar *Visual	NONE	NONE	---	---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

FLUID PROPERTIES

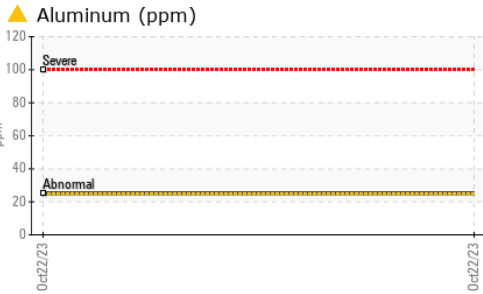
method	limit/base	current	history1	history2
Visc @ 40°C cSt ASTM D445	74	80.1	---	---



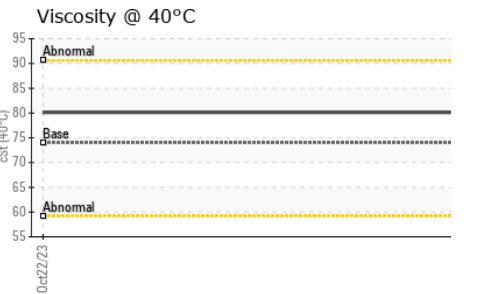
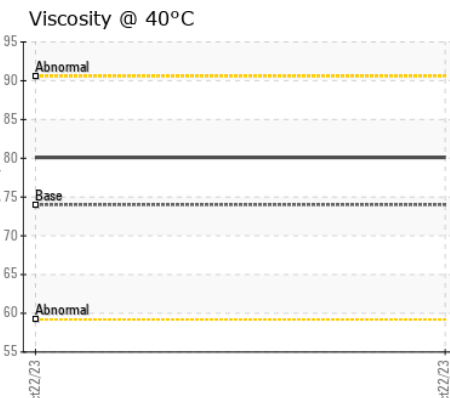
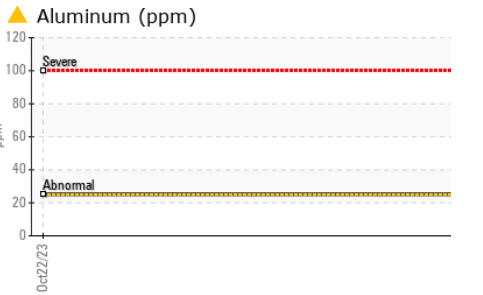
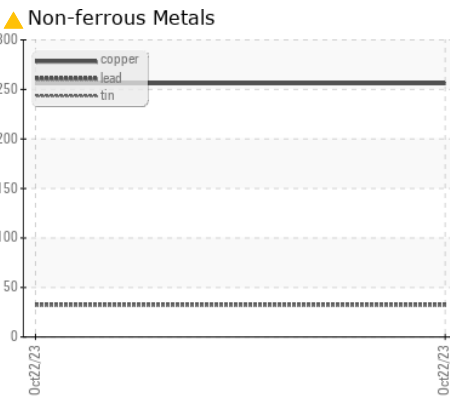
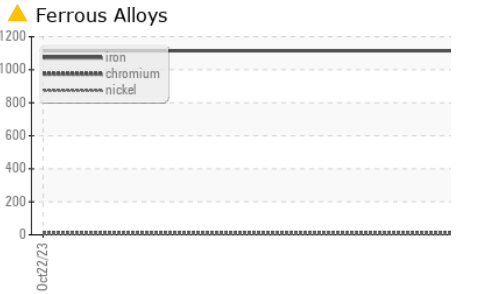
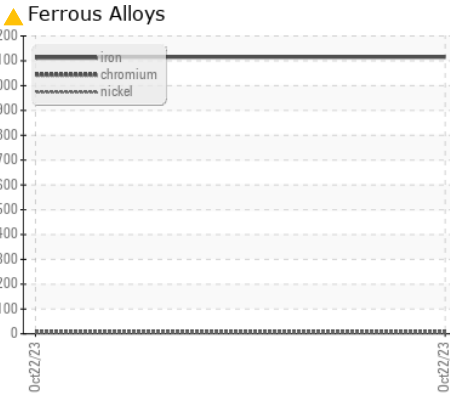
OIL ANALYSIS REPORT



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. : PCA0108148 **Received** : 08 Nov 2023
Lab Number : 06001885 **Diagnosed** : 10 Nov 2023
Unique Number : 10735647 **Diagnostician** : Jonathan Hester
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

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)