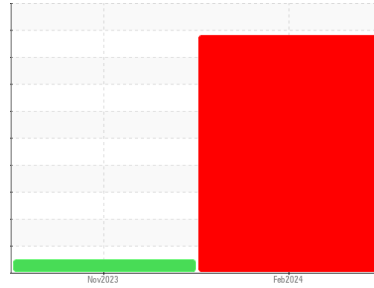


PROBLEM SUMMARY

Sample Rating Trend



WATER



Machine Id
26577
 Component
1 Differential
 Fluid
GEAR OIL SAE 80 (--- GAL)

COMPONENT CONDITION SUMMARY

Water (KF)



RECOMMENDATION

We advise that you check for the source of water entry. 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. Please note that there was too much water present in the oil to perform a viscosity test.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	NORMAL	---
Water	%	ASTM D6304	>.2	35.1	---	---
ppm Water	ppm	ASTM D6304	>2000	351000	---	---
Emulsified Water	scalar	*Visual	>.2	0.2%	NEG	---
Free Water	scalar	*Visual		1.0	NEG	---

Customer Id: PERDILSC
 Sample No.: PCA0116232
 Lab Number: 06089126
 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.
Alert	---	---	?	Please note that there was too much water present in the oil to perform a viscosity test.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

16 Nov 2023 Diag: Don Baldrige

NORMAL



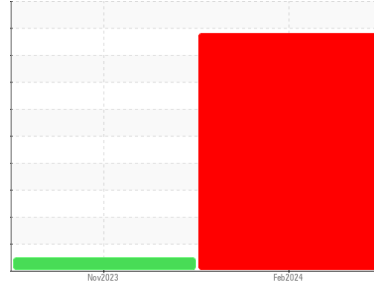
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
26577
Component
1 Differential
Fluid
GEAR OIL SAE 80 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. 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. Please note that there was too much water present in the oil to perform a viscosity test.

Wear

All component wear rates are normal.

Contamination

Appearance is unacceptable Excessive free water present. There is a high concentration of water present in the oil.

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		PCA0116232	PCA0108114	---
Sample Date	Client Info		08 Feb 2024	16 Nov 2023	---
Machine Age	mls	Client Info	224540	224540	---
Oil Age	mls	Client Info	224540	224540	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			SEVERE	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	75	412	---
Chromium	ppm	ASTM D5185m >10	3	1	---
Nickel	ppm	ASTM D5185m >10	2	0	---
Titanium	ppm	ASTM D5185m	<1	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >25	6	2	---
Lead	ppm	ASTM D5185m >25	5	0	---
Copper	ppm	ASTM D5185m >100	4	1	---
Tin	ppm	ASTM D5185m >10	1	0	---
Vanadium	ppm	ASTM D5185m	<1	0	---
Cadmium	ppm	ASTM D5185m	<1	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	45	138	---
Barium	ppm	ASTM D5185m 200	13	0	---
Molybdenum	ppm	ASTM D5185m 12	147	0	---
Manganese	ppm	ASTM D5185m	<1	15	---
Magnesium	ppm	ASTM D5185m 12	381	0	---
Calcium	ppm	ASTM D5185m 150	519	261	---
Phosphorus	ppm	ASTM D5185m 1650	568	1221	---
Zinc	ppm	ASTM D5185m 125	649	12	---
Sulfur	ppm	ASTM D5185m 22500	1723	18221	---

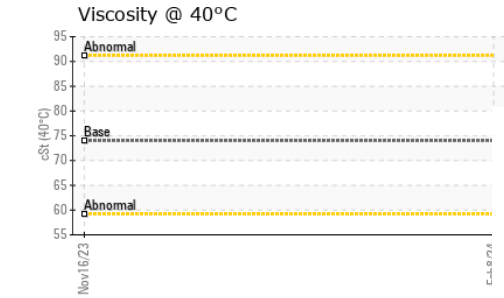
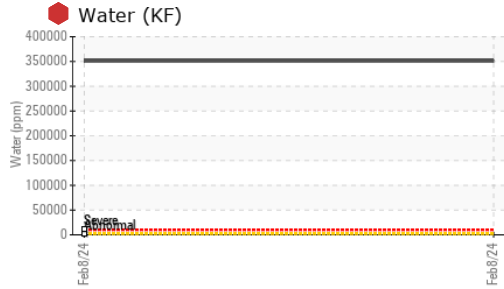
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	11	60	---
Sodium	ppm	ASTM D5185m	1231	5	---
Potassium	ppm	ASTM D5185m >20	2049	2	---
Water	%	ASTM D6304 >.2	35.1	---	---
ppm Water	ppm	ASTM D6304 >2000	351000	---	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual NONE	NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	NONE	---
Silt	scalar	*Visual NONE	MODER	NONE	---
Debris	scalar	*Visual NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	---
Appearance	scalar	*Visual NORML	MILKY	NORML	---
Odor	scalar	*Visual NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual >.2	0.2%	NEG	---
Free Water	scalar	*Visual	1.0	NEG	---

OIL ANALYSIS REPORT



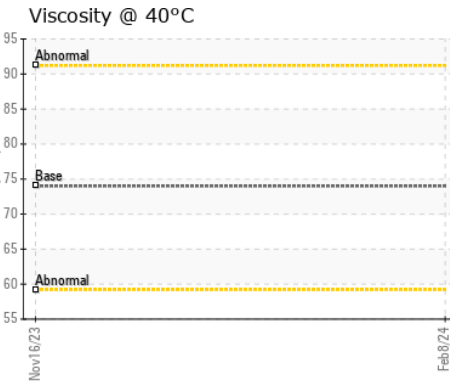
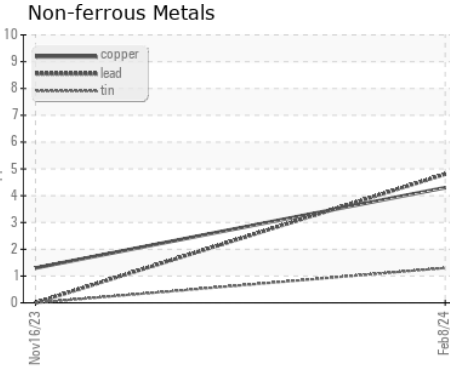
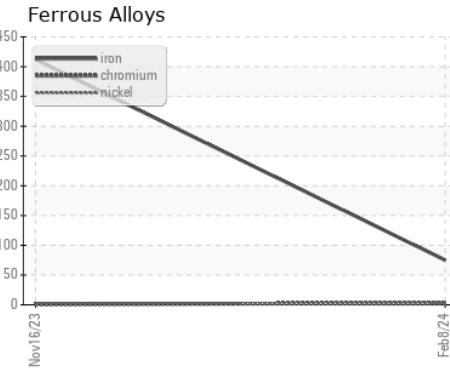
FLUID PROPERTIES

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

SAMPLE IMAGES

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0116232 **Received** : 14 Feb 2024
Lab Number : 06089126 **Tested** : 15 Feb 2024
Unique Number : 10876571 **Diagnosed** : 16 Feb 2024 - Jonathan Hester
Test Package : FLEET (Additional Tests: KF)

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)