

PROBLEM SUMMARY

Sample Rating Trend

WEAR

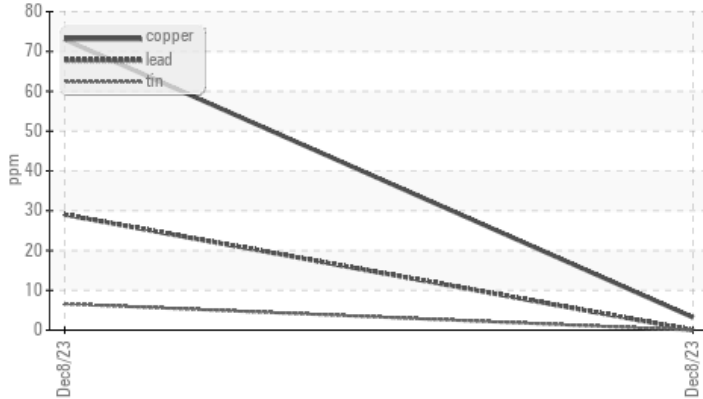


Machine Id
26522
 Component
Differential
 Fluid
GEAR OIL SAE 80 (--- GAL)



COMPONENT CONDITION SUMMARY

▲ Non-ferrous Metals



RECOMMENDATION

No corrective action is recommended at this time.
 Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ABNORMAL	---
Lead	ppm	ASTM D5185m	>25	▲ 29	0	---
Copper	ppm	ASTM D5185m	>100	▲ 73	3	---

Customer Id: PERDILSC
 Sample No.: PCA0112297
 Lab Number: 06032534
 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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

08 Dec 2023 Diag: Don Baldrige

DIRT



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
26522
Component
Differential
Fluid
GEAR OIL SAE 80 (--- GAL)

DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

▲ Wear

Bearing and/or bushing wear is indicated. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

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		PCA0112297	PCA0112296	---
Sample Date	Client Info		08 Dec 2023	08 Dec 2023	---
Machine Age	hrs	Client Info	475407	475407	---
Oil Age	hrs	Client Info	475407	0	---
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	413	425	---
Chromium	ppm	ASTM D5185m >10	3	3	---
Nickel	ppm	ASTM D5185m >10	4	7	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >25	3	2	---
Lead	ppm	ASTM D5185m >25	▲ 29	0	---
Copper	ppm	ASTM D5185m >100	▲ 73	3	---
Tin	ppm	ASTM D5185m >10	7	0	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	168	153	---
Barium	ppm	ASTM D5185m 200	1	<1	---
Molybdenum	ppm	ASTM D5185m 12	0	0	---
Manganese	ppm	ASTM D5185m	12	8	---
Magnesium	ppm	ASTM D5185m 12	<1	<1	---
Calcium	ppm	ASTM D5185m 150	141	9	---
Phosphorus	ppm	ASTM D5185m 1650	1407	1633	---
Zinc	ppm	ASTM D5185m 125	93	39	---
Sulfur	ppm	ASTM D5185m 22500	19992	25545	---

CONTAMINANTS

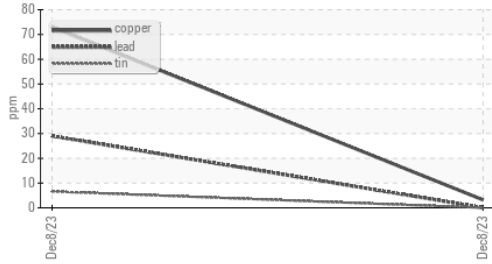
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	28	▲ 87	---
Sodium	ppm	ASTM D5185m	10	9	---
Potassium	ppm	ASTM D5185m >20	6	5	---

VISUAL

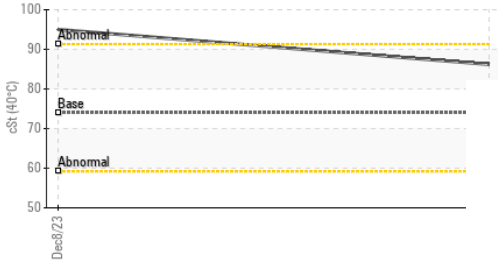
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual NONE	NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	NONE	---
Silt	scalar	*Visual NONE	NONE	NONE	---
Debris	scalar	*Visual NONE	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	---
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

▲ Non-ferrous Metals



Viscosity @ 40°C



FLUID PROPERTIES

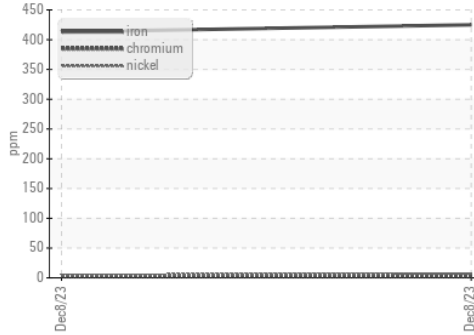
method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 74	86.2	95.0	---

SAMPLE IMAGES

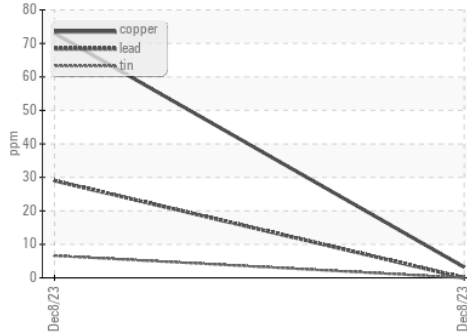
method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

GRAPHS

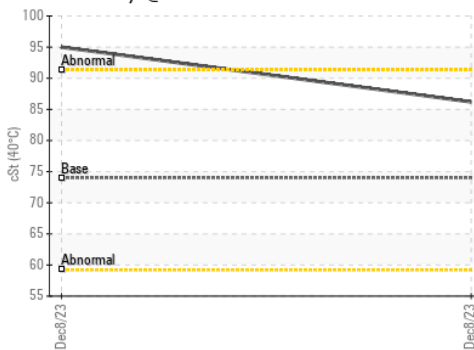
Ferrous Alloys



▲ Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0112297 **Recieved** : 12 Dec 2023
Lab Number : **06032534** **Diagnosed** : 15 Dec 2023
Unique Number : 10782325 **Diagnostician** : Don Baldrige
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)