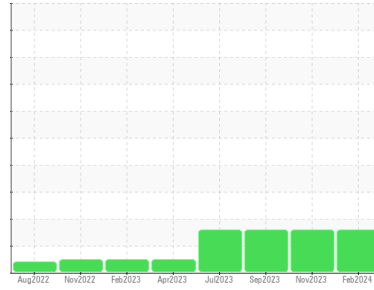




Machine Id
2126944
 Component
Front Differential
 Fluid
GEAR OIL SAE 75W90 (--- QTS)



DIAGNOSIS

- Recommendation**
 No corrective action is recommended at this time. Resample at the next service interval to monitor.
- Wear**
 All component wear rates are normal.
- Contamination**
 Elemental level of silicon (Si) above normal.
- 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		PCA0114773	PCA0113247	PCA0106122
Sample Date	Client Info		11 Feb 2024	27 Nov 2023	11 Sep 2023
Machine Age	mls	Client Info	176450	153425	132152
Oil Age	mls	Client Info	176450	153425	132152
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL

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

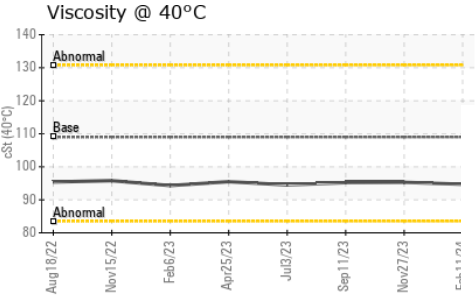
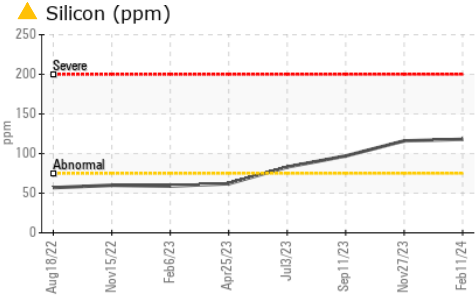
WEAR METALS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	355	343	332
Chromium	ppm	ASTM D5185m >10	4	5	5
Nickel	ppm	ASTM D5185m >10	6	7	8
Titanium	ppm	ASTM D5185m	<1	1	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	3	2	3
Lead	ppm	ASTM D5185m >25	10	10	10
Copper	ppm	ASTM D5185m >100	49	51	41
Tin	ppm	ASTM D5185m >10	4	4	4
Vanadium	ppm	ASTM D5185m	0	<1	<1
Cadmium	ppm	ASTM D5185m	0	<1	0

ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	105	130	115
Barium	ppm	ASTM D5185m 200	0	0	0
Molybdenum	ppm	ASTM D5185m 12	0	<1	<1
Manganese	ppm	ASTM D5185m	15	16	15
Magnesium	ppm	ASTM D5185m 12	0	1	0
Calcium	ppm	ASTM D5185m 150	13	21	4
Phosphorus	ppm	ASTM D5185m 1650	1051	1005	1048
Zinc	ppm	ASTM D5185m 125	6	<1	0
Sulfur	ppm	ASTM D5185m 22500	27053	28643	24249

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	▲ 118	▲ 116	▲ 97
Sodium	ppm	ASTM D5185m	9	8	9
Potassium	ppm	ASTM D5185m >20	2	4	1

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

OIL ANALYSIS REPORT

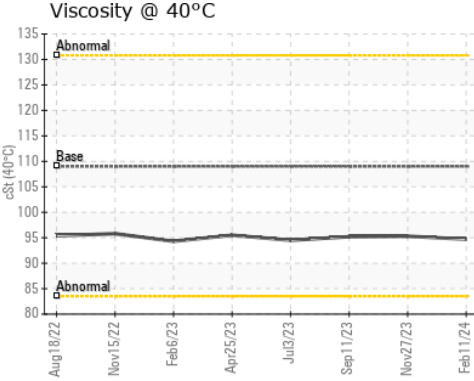
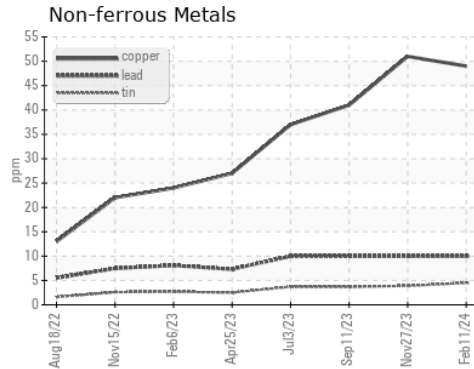
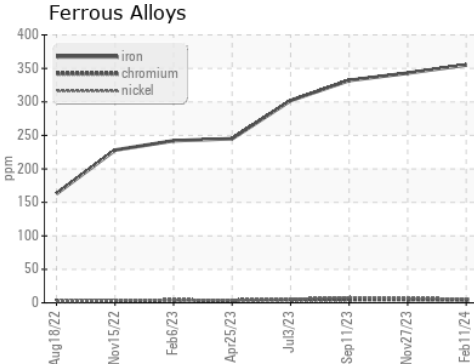


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	109	94.7	95.3	95.2

SAMPLE IMAGES		method	limit/base	current	history1	history2
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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. : PCA0114773
Lab Number : 06118643
Unique Number : 10927476
Test Package : FLEET
Received : 14 Mar 2024
Tested : 18 Mar 2024
Diagnosed : 18 Mar 2024 - Don Baldrige

PERDUE FARMS - GEORGETOWN
 20621 SAVANAH RD
 GEORGETOWN, DE
 US 19947
 Contact: ROBERT LOCKWOOD
 Robert.Lockwood@Perdue.com

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)

T:
F: