

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
2127000
 Component
Rear Differential
 Fluid
GEAR OIL SAE 75W90 (--- GAL)



DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 75W90. Please confirm. Please specify the component make and model with your next sample.

Wear
 All 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		PCA0106438	---	---
Sample Date	Client Info		17 Jan 2024	---	---
Machine Age	mls	Client Info	361358	---	---
Oil Age	mls	Client Info	0	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	308	---	---
Chromium	ppm	ASTM D5185m >10	2	---	---
Nickel	ppm	ASTM D5185m >10	6	---	---
Titanium	ppm	ASTM D5185m	<1	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >25	5	---	---
Lead	ppm	ASTM D5185m >25	1	---	---
Copper	ppm	ASTM D5185m >100	11	---	---
Tin	ppm	ASTM D5185m >10	2	---	---
Vanadium	ppm	ASTM D5185m	<1	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	154	---	---
Barium	ppm	ASTM D5185m 200	<1	---	---
Molybdenum	ppm	ASTM D5185m 12	<1	---	---
Manganese	ppm	ASTM D5185m	13	---	---
Magnesium	ppm	ASTM D5185m 12	5	---	---
Calcium	ppm	ASTM D5185m 150	0	---	---
Phosphorus	ppm	ASTM D5185m 1650	1115	---	---
Zinc	ppm	ASTM D5185m 125	12	---	---
Sulfur	ppm	ASTM D5185m 22500	23753	---	---

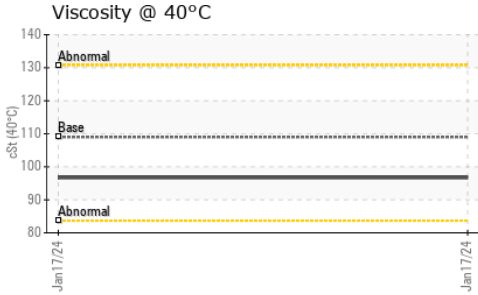
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	50	---	---
Sodium	ppm	ASTM D5185m	7	---	---
Potassium	ppm	ASTM D5185m >20	5	---	---

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	LIGHT	---	---
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	---	---

OIL ANALYSIS REPORT



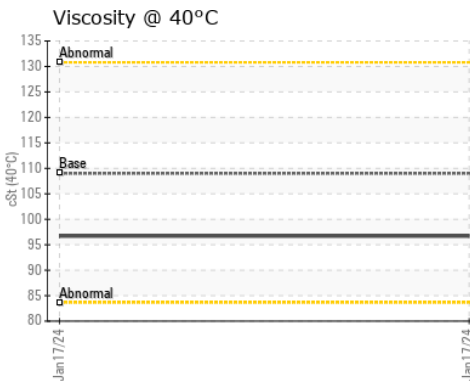
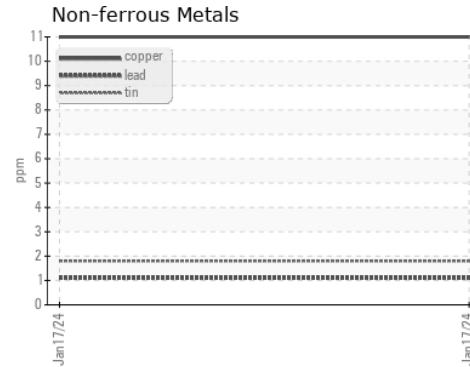
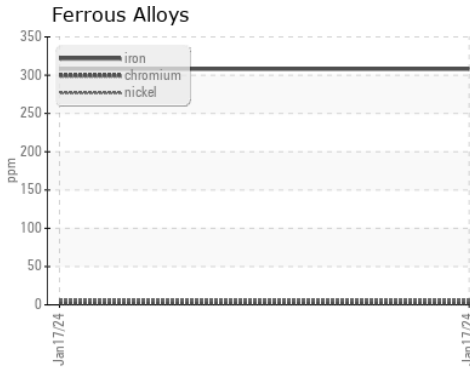
FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 40°C	cSt	ASTM D445	109	96.7	---
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color	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. : PCA0106438 **Received** : 02 Feb 2024
Lab Number : **06079378** **Tested** : 05 Feb 2024
Unique Number : 10861469 **Diagnosed** : 05 Feb 2024 - Wes Davis
Test Package : FLEET

PERDUE FARMS INC - GARAGE
 189 PERDUE WAY
 CANDOR, NC
 US 27229
 Contact: Service Manager

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)

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F: