

# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**2126997**  
 Component  
**Tandem**  
 Fluid  
**GEAR OIL SAE 75W140 (--- GAL)**

## DIAGNOSIS

- ▲ Recommendation**  
 No corrective action is recommended at this time. Resample at the next service interval to monitor.
- ▲ Wear**  
 The copper level is abnormal. All other component wear rates are normal.
- ▲ Contamination**  
 Elemental level of silicon (Si) above normal indicating ingress of seal material.
- 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		<b>PCA0123490</b>	---	---
Sample Date	Client Info		<b>10 Apr 2024</b>	---	---
Machine Age	mls	Client Info	<b>30000</b>	---	---
Oil Age	mls	Client Info	<b>30000</b>	---	---
Oil Changed	Client Info		<b>Not Chngd</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>425	<b>336</b>	---
Chromium	ppm	ASTM D5185m	>5	<b>2</b>	---
Nickel	ppm	ASTM D5185m	>5	<b>4</b>	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---
Silver	ppm	ASTM D5185m		<b>0</b>	---
Aluminum	ppm	ASTM D5185m	>5	<b>2</b>	---
Lead	ppm	ASTM D5185m		<b>5</b>	---
Copper	ppm	ASTM D5185m	>8	<b>▲ 41</b>	---
Tin	ppm	ASTM D5185m		<b>3</b>	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	<b>107</b>	---
Barium	ppm	ASTM D5185m	200	<b>5</b>	---
Molybdenum	ppm	ASTM D5185m	12	<b>0</b>	---
Manganese	ppm	ASTM D5185m		<b>13</b>	---
Magnesium	ppm	ASTM D5185m	12	<b>11</b>	---
Calcium	ppm	ASTM D5185m	150	<b>36</b>	---
Phosphorus	ppm	ASTM D5185m	1650	<b>1019</b>	---
Zinc	ppm	ASTM D5185m	125	<b>32</b>	---
Sulfur	ppm	ASTM D5185m	22500	<b>26106</b>	---

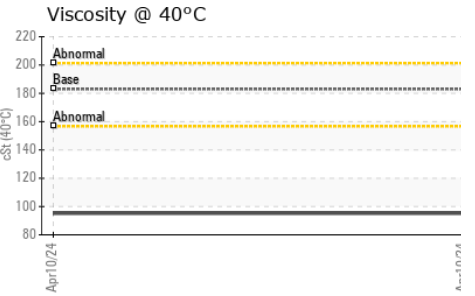
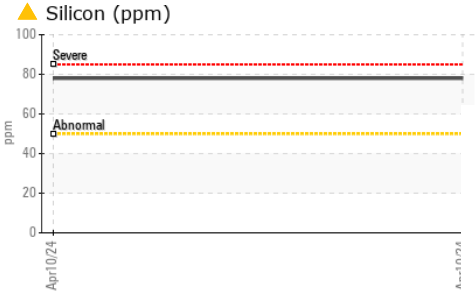
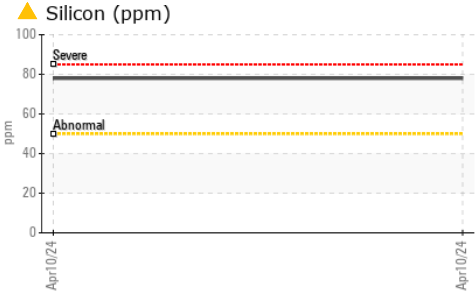
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>▲ 78</b>	---
Sodium	ppm	ASTM D5185m		<b>8</b>	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	---

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	---
Free Water	scalar	*Visual		<b>NEG</b>	---

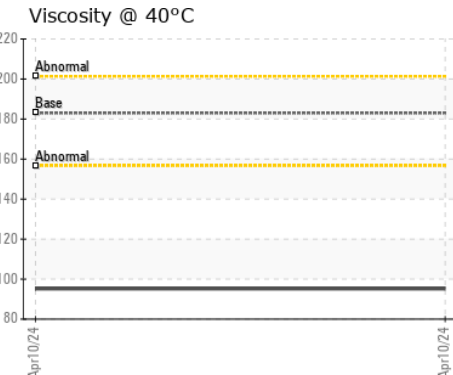
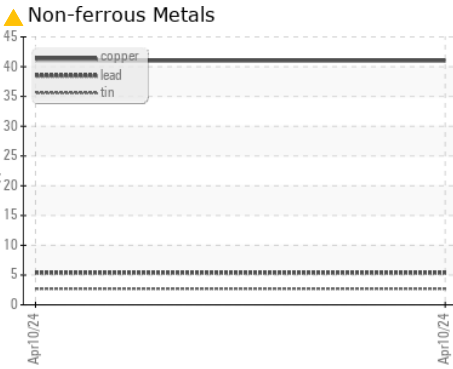
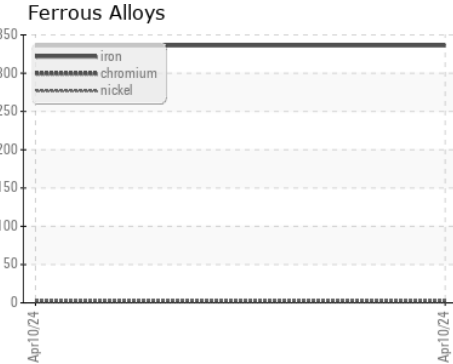
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FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	183	<b>95.2</b>	---	---

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0123490      **Received** : 13 May 2024  
**Lab Number** : **06177969**      **Tested** : 14 May 2024  
**Unique Number** : 11029295      **Diagnosed** : 15 May 2024 - Sean Felton  
**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: