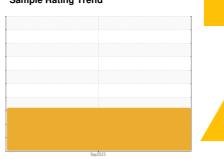


# **OIL ANALYSIS REPORT**

Sample Rating Trend



**WEAR** 



Machine Id **26525** 

Component

**Front Differential** 

GEAR OIL SAE 75W90 (--- GAL)

## DIAGNOSIS

### Recommendation

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

Bearing and/or gear wear is indicated.

### Contamination

There is no indication of any contamination in the oil.

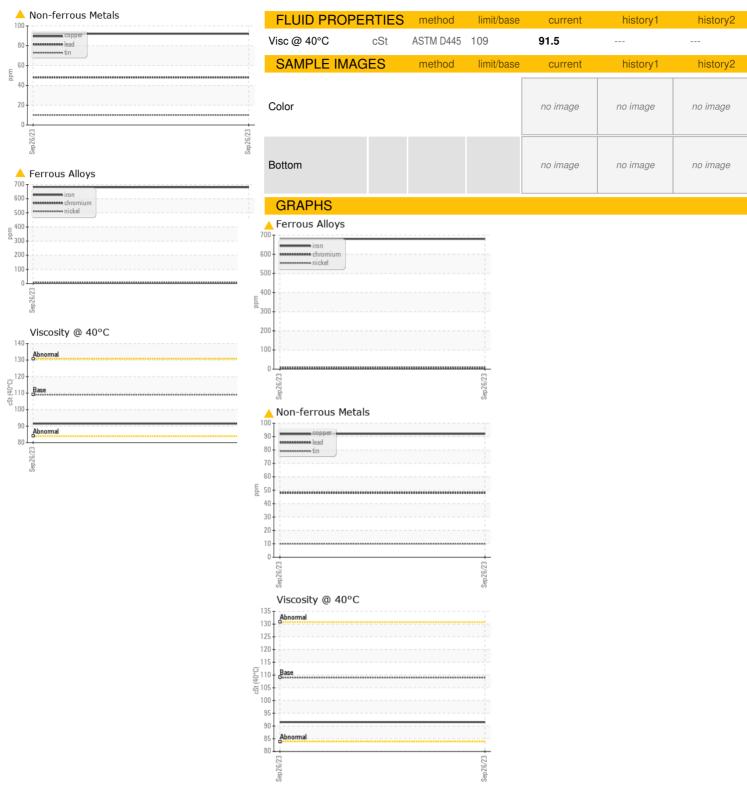
### **Fluid Condition**

The condition of the oil is acceptable for the time in service.

Cample Number   Client Info   PCA0106385       Client Info   Sample Date   Client Info   Sample Date   Client Info   Safe146       Client Info   Safe146         Coll Age   hrs   Client Info   Safe146       Cilent Info   Safe146         Coll Changed   Client Info   Sample Status					Sep2023		
Cample Date   Client Info   Seese 2023	SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Cample Date   Client Info   Seese 2023	Sample Number		Client Info		PCA0106385		
Machine Age hrs Client Info 546146							
Dil Age	•	hrs			•		
Contamination   Contaminati							
ABNORMAL	· ·	1110					
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         ♠ 680             Chromium         ppm         ASTM D5185m         >10         9             Nickel         ppm         ASTM D5185m         >10         9             Silver         ppm         ASTM D5185m         0              Aluminum         ppm         ASTM D5185m         >25         5 <td< td=""><td>Sample Status</td><td></td><td>CHICHT HITO</td><td></td><td></td><td></td><td></td></td<>	Sample Status		CHICHT HITO				
WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >500         6880             Chromium         ppm         ASTM D5185m         >10         9             Nickel         ppm         ASTM D5185m         >10         9             Silver         ppm         ASTM D5185m         0              Aluminum         ppm         ASTM D5185m         0              Lead         ppm         ASTM D5185m         >25         5         5             Lead         ppm         ASTM D5185m         >10         10	·	ION	method	limit/base	current	history1	history2
Chromium	Water		WC Method	>.2	NEG		
Description	WEAR METAL	S	method	limit/base	current	history1	history2
Description	Iron	ppm	ASTM D5185m	>500	<b>680</b>		
Silver	Chromium		ASTM D5185m	>10	5		
Silver	Nickel		ASTM D5185m	>10	9		
ASTM D5185m   D	Titanium				-		
ASTM D5185m   >25   5	Silver						
Lead         ppm         ASTM D5185m         >25         ▲ 48             Copper         ppm         ASTM D5185m         >100         ▲ 92             Fin         ppm         ASTM D5185m         0              Vanadium         ppm         ASTM D5185m         0              Cadmium         ppm         ASTM D5185m         0              ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         400         139             Barium         ppm         ASTM D5185m         12         <1	Aluminum			>25			
Copper         ppm         ASTM D5185m         >100         ▲ 92             Tin         ppm         ASTM D5185m         >10         ▲ 10             Vanadium         ppm         ASTM D5185m         0             Cadmium         ppm         ASTM D5185m         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         400         139             Barium         ppm         ASTM D5185m         200         0             Molybdenum         ppm         ASTM D5185m         12         <1					_		
Tin							
Vanadium         ppm         ASTM D5185m         0             Cadmium         ppm         ASTM D5185m         0             ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         400         139             Barium         ppm         ASTM D5185m         200         0             Molybdenum         ppm         ASTM D5185m         12         <1             Manganese         ppm         ASTM D5185m         12         0             Magnesium         ppm         ASTM D5185m         12         0             Magnesium         ppm         ASTM D5185m         150         15             Phosphorus         ppm         ASTM D5185m         125         195             Zinc         ppm         ASTM D5185m         125         195             Silifur         ppm         ASTM D5185m         775         57							
ADDITIVES				>10			
ADDITIVES							
Boron		ррпп					
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185m         12         <1             Manganese         ppm         ASTM D5185m         16             Magnesium         ppm         ASTM D5185m         12         0             Calcium         ppm         ASTM D5185m         150         15             Phosphorus         ppm         ASTM D5185m         125         195             Zinc         ppm         ASTM D5185m         125         195             Sulfur         ppm         ASTM D5185m         22500         23881             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >75         57             Sodium         ppm         ASTM D5185m         >20         6             Potassium         ppm         ASTM D5185m         >20         6             VISUAL         method         limit/base         current <td>Boron</td> <td>ppm</td> <td></td> <td></td> <td>139</td> <td></td> <td></td>	Boron	ppm			139		
Manganese         ppm         ASTM D5185m         16             Magnesium         ppm         ASTM D5185m         12         0             Calcium         ppm         ASTM D5185m         150         15             Phosphorus         ppm         ASTM D5185m         1650         1368             Zinc         ppm         ASTM D5185m         125         195             Sulfur         ppm         ASTM D5185m         22500         23881             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >75         57             Sodium         ppm         ASTM D5185m         >20         6             Potassium         ppm         ASTM D5185m         >20         6             VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE	Barium	ppm	ASTM D5185m	200	0		
Magnesium         ppm         ASTM D5185m         12         0             Calcium         ppm         ASTM D5185m         150         15             Phosphorus         ppm         ASTM D5185m         1650         1368             Zinc         ppm         ASTM D5185m         125         195             Sulfur         ppm         ASTM D5185m         22500         23881             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >75         57             Sodium         ppm         ASTM D5185m         >20         6             Potassium         ppm         ASTM D5185m         >20         6             VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE         NONE             Yellow Metal         scalar         *Visual	Molybdenum	ppm	ASTM D5185m	12			
Calcium         ppm         ASTM D5185m         150         15             Phosphorus         ppm         ASTM D5185m         1650         1368             Zinc         ppm         ASTM D5185m         125         195             Sulfur         ppm         ASTM D5185m         22500         23881             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >75         57             Sodium         ppm         ASTM D5185m         >20         6             Potassium         ppm         ASTM D5185m         >20         6             VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE             Yellow Metal         scalar         *Visual         NONE         NONE            Precipitate         scalar         *Visual         NONE         NON	Manganese	ppm	ASTM D5185m		16		
Phosphorus         ppm         ASTM D5185m         1650         1368             Zinc         ppm         ASTM D5185m         125         195             Sulfur         ppm         ASTM D5185m         22500         23881             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >75         57             Sodium         ppm         ASTM D5185m         >20         6             Potassium         ppm         ASTM D5185m         >20         6             Potassium         ppm         ASTM D5185m         >20         6             VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE         NONE             Yellow Metal         scalar         *Visual         NONE         NONE             Precipitate         scalar         *Visua	Magnesium	ppm	ASTM D5185m	12	0		
Zinc	Calcium	ppm	ASTM D5185m	150	15		
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >75         57             Sodium         ppm         ASTM D5185m         15             Potassium         ppm         ASTM D5185m         >20         6             VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE         NONE             Yellow Metal         scalar         *Visual         NONE         NONE             Precipitate         scalar         *Visual         NONE         NONE             Debris         scalar         *Visual         NONE         NONE             Debris         scalar         *Visual         NONE         NONE             Appearance         scalar         *Visual         NORML         NORML             Emulsified Water         scalar         *Visual	Phosphorus	ppm	ASTM D5185m	1650	1368		
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >75         57             Sodium         ppm         ASTM D5185m         15             Potassium         ppm         ASTM D5185m         >20         6             VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE         NONE            Yellow Metal         scalar         *Visual         NONE         NONE            Precipitate         scalar         *Visual         NONE         NONE            Poebris         scalar         *Visual         NONE             Debris         scalar         *Visual         NONE         NONE             Sand/Dirt         scalar         *Visual         NORM         NORML             Appearance         scalar         *Visual         NORML         NORML </td <td>Zinc</td> <td>ppm</td> <td>ASTM D5185m</td> <td>125</td> <td>195</td> <td></td> <td></td>	Zinc	ppm	ASTM D5185m	125	195		
Solicon	Sulfur	ppm	ASTM D5185m	22500	23881		
Sodium	CONTAMINAN	TS	method	limit/base	current	history1	history2
Decided   Deci	Silicon	ppm	ASTM D5185m	>75	57		
Potassium         ppm         ASTM D5185m         >20         6             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         NONE             Sand/Dirt         scalar         *Visual         NORML         NORML             Appearance         scalar         *Visual         NORML         NORML             Emulsified Water         scalar         *Visual         >.2         NEG	Sodium		ASTM D5185m		15		
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         NORML         NORML             Appearance         scalar         *Visual         NORML         NORML             Emulsified Water         scalar         *Visual         >.2         NEG	Potassium	ppm	ASTM D5185m	>20	6		
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             Emulsified Water         scalar         *Visual         >.2         NEG	VISUAL		method	limit/base	current	history1	history2
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             Ddor         scalar         *Visual         NORML         NORML             Emulsified Water         scalar         *Visual         >.2         NEG	White 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	Yellow Metal	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             Ddor         scalar         *Visual         NORML         NORML             Emulsified Water         scalar         *Visual         >.2         NEG	Precipitate		*Visual	NONE	NONE		
Debris scalar *Visual NONE LIGHT Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Ddor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG	•			NONE			
Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG							
Appearance scalar *Visual NORML NORML Codor scalar *Visual NORML NORML Complete Water scalar *Visual >.2 NEG							
Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG							
Emulsified Water scalar *Visual >.2 NEG	• •						
	Free Water	scalar	*Visual		NEG		



## **OIL ANALYSIS REPORT**







Laboratory

Sample No. Lab Number Unique Number : 10792288

: PCA0106385 : 06037059 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 15 Dec 2023 : 20 Dec 2023 Diagnosed Diagnostician : Jonathan Hester

**PERDUE FARMS - GEORGETOWN** 

20621 SAVANAH RD GEORGETOWN, DE US 19947

Contact: ROBERT LOCKWOOD

Robert.Lockwood@Perdue.com T:

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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