

# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# NG PCA0124556

Component Rear Differential

GEAR OIL SAE 75W90 (--- GAL)

### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

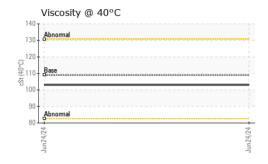
### **Fluid Condition**

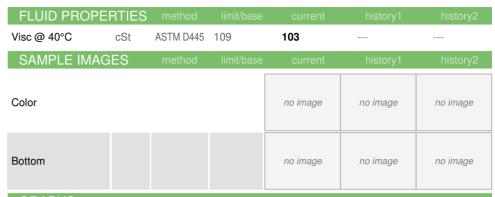
The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION   method   limit/base   current   history2   history2   Sample Number   Client Info   24 Jun 2024       Machine Age   mls   Client Info   0					Jun2024		
Client Info   PCA0124556   .	SAMPLE INFOR	RMATION	method	limit/base	current	history1	historv2
Client Info							
Machine Age   mls   Client Info   0   0   0   0   0   0   0   0   0	· ·						
Oil Changed	•	mle					
CONTAMINATION							
CONTAMINATION   method   limit/base   current   history1   history2	-	11113			•		
Water   WC Method   Imit/base   current   history1   history2   Water   WC Method   .2   NEG			Ollerit IIIIO				
Weter		TION	method	limit/base			
Controlled   Description   D		IION					
Chromium	WEAR METAI	S	method	limit/hase	current	history1	history2
Description							111010172
ASTM D5185m   D5185	-						
ASTM D5185m   D							
ASTM D5185m   D				>10			
ASTM D5185m   -25   3					-		
Lead				05	-		
Description							
ASTM D5185m   Pom							
Anadium	• •				-		
ADDITIVES				>10			
ADDITIVES							
Boron   ppm   ASTM D5185m   400   264       Barium   ppm   ASTM D5185m   200   <1		ppm	ASTM D5185m		0		
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185m         12         0             Manganese         ppm         ASTM D5185m         11             Magnesium         ppm         ASTM D5185m         12         1             Calcium         ppm         ASTM D5185m         150         0             Phosphorus         ppm         ASTM D5185m         125         21             Zinc         ppm         ASTM D5185m         125         21             Sulfur         ppm         ASTM D5185m         22500         21674             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         275         36             Potassium         ppm         ASTM D5185m         9             Potassium         ppm         ASTM D5185m         9             Potassium         ppm         ASTM D5185m         9					264		
Manganese         ppm         ASTM D5185m         11             Magnesium         ppm         ASTM D5185m         12         1             Calcium         ppm         ASTM D5185m         150         0             Phosphorus         ppm         ASTM D5185m         1650         1412             Zinc         ppm         ASTM D5185m         125         21             Sulfur         ppm         ASTM D5185m         125         21             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >75         36             Soldium         ppm         ASTM D5185m         9             Potassium         ppm         ASTM D5185m         >20         2             VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE         NONE         <		ppm	ASTM D5185m				
Magnesium         ppm         ASTM D5185m         12         1             Calcium         ppm         ASTM D5185m         150         0             Phosphorus         ppm         ASTM D5185m         1650         1412             Zinc         ppm         ASTM D5185m         125         21             Sulfur         ppm         ASTM D5185m         22500         21674             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         9             Potassium         ppm         ASTM D5185m         >20         2            VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE             Yellow Metal         scalar         *Visual         NONE         NONE            Yellow Metal         scalar         *Visual         NONE         NONE	Molybdenum		ASTM D5185m	12			
Calcium         ppm         ASTM D5185m         150         0             Phosphorus         ppm         ASTM D5185m         1650         1412             Zinc         ppm         ASTM D5185m         125         21             Sulfur         ppm         ASTM D5185m         22500         21674             CONTAMINANTS         method         limit/base         current         history1         history2           Sodium         ppm         ASTM D5185m         9             Potassium         ppm         ASTM D5185m         9             Potassium         ppm         ASTM D5185m         9             Potassium         ppm         ASTM D5185m         >20         2             Potassium         ppm         ASTM D5185m         >20         2             Potassium         ppm         ASTM D5185m         >20         2             Potassium         ppm         ASTM D5185m         NONE         NONE	Manganese	ppm	ASTM D5185m		11		
Phosphorus         ppm         ASTM D5185m         1650         1412             Zinc         ppm         ASTM D5185m         125         21             Sulfur         ppm         ASTM D5185m         22500         21674             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         9             Bodium         ppm         ASTM D5185m         9             Potassium         ppm         ASTM D5185m         >20         2             VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE         NONE	Magnesium	ppm	ASTM D5185m	12	1		
Zinc	Calcium	ppm	ASTM D5185m	150	0		
CONTAMINANTS	Phosphorus	ppm	ASTM D5185m	1650	1412		
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >75         36             Sodium         ppm         ASTM D5185m         9             Potassium         ppm         ASTM D5185m         >20         2            VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE             Yellow Metal         scalar <t< td=""><td>Zinc</td><td>ppm</td><td>ASTM D5185m</td><td>125</td><th>21</th><td></td><td></td></t<>	Zinc	ppm	ASTM D5185m	125	21		
Solition   ppm   ASTM D5185m   >75   36       Solition   ppm   ASTM D5185m   9	Sulfur	ppm	ASTM D5185m	22500	21674		
Sodium	CONTAMINA	NTS	method	limit/base	current	history1	history2
Potassium         ppm         ASTM D5185m         >20         2             VISUAL         method         limit/base         current         history1         history2           White Metal         scalar         *Visual         NONE             Yellow Metal         scalar         *Visual         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	Silicon	ppm	ASTM D5185m	>75	36		
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 NONE NONE  Appearance scalar *Visual NONE NONE  Appearance scalar *Visual NORML NORML  Codor scalar *Visual NORML NORML  Emulsified Water scalar *Visual >.2 NEG	Sodium	ppm	ASTM D5185m		9		
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	Potassium	ppm	ASTM D5185m	>20	2		
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         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 Scalar *Visual NONE NONE Scalar *Visual NONE NONE Scalar *Visual NONE NONE Scalar *Visual NORML NORML Scalar *Visual >-2 NEG Scalar *Visual > Scalar *Visual	White Metal	scalar	*Visual	NONE	NONE		
Silt         scalar         *Visual         NONE         NONE             Debris         scalar         *Visual         NONE         NONE             Sand/Dirt         scalar         *Visual         NONE         NONE             Appearance         scalar         *Visual         NORML         NORML             Ddor         scalar         *Visual         NORML         NORML             Emulsified Water         scalar         *Visual         >.2         NEG	ellow Metal	scalar	*Visual	NONE	NONE		
Debris         scalar         *Visual         NONE         NONE             Sand/Dirt         scalar         *Visual         NONE         NONE             Appearance         scalar         *Visual         NORML         NORML             Ddor         scalar         *Visual         NORML         NORML             Emulsified Water         scalar         *Visual         >.2         NEG	Precipitate	scalar	*Visual	NONE	NONE		
Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG	Silt	scalar	*Visual	NONE	NONE		
Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG	Debris	scalar	*Visual	NONE	NONE		
Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >.2 NEG	Sand/Dirt	scalar	*Visual	NONE	NONE		
Emulsified Water scalar *Visual >.2 NEG	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
Free Water scalar *Visual NEG	Emulsified Water	scalar	*Visual	>.2	NEG		
	Free Water	scalar	*Visual		NEG		

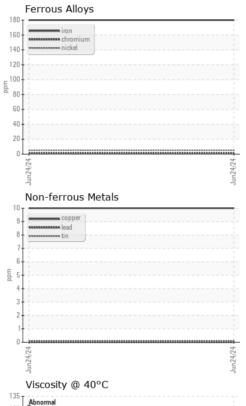


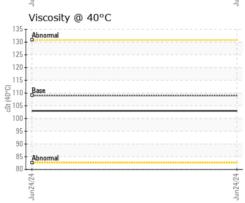
## **OIL ANALYSIS REPORT**





## **GRAPHS**









Laboratory Sample No. Lab Number : 06220100 Unique Number : 11098297

: PCA0124556

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Jun 2024 Tested : 27 Jun 2024 Diagnosed

: 28 Jun 2024 - Don Baldridge

**PERDUE FARMS - GEORGETOWN** 20621 SAVANAH RD

GEORGETOWN, DE US 19947

Contact: ROBERT LOCKWOOD Robert.Lockwood@Perdue.com

Test Package : FLEET Certificate 12367 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)

Report Id: PERGEODE [WUSCAR] 06220100 (Generated: 06/29/2024 07:08:21) Rev: 1

Contact/Location: ROBERT LOCKWOOD - PERGEODE

T:

F: