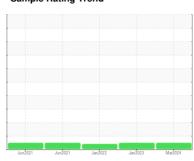


# **OIL ANALYSIS REPORT**

Sample Rating Trend







Machine Id

2026854

Rear Differential

GEAR OIL SAE 75W90 (--- QTS)

## 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 INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0119538	PCA0089339	PCA0065958
Sample Date		Client Info		21 Mar 2024	07 Jan 2023	18 Jan 2022
Machine Age	mls	Client Info		0	170047	88451
Oil Age	mls	Client Info		0	170047	88451
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINA	TION	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG	NEG	NEG
WEAR METAI	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	155	124	111
Chromium	ppm	ASTM D5185m	>10	1	1	1
Nickel	ppm	ASTM D5185m	>10	12	8	9
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	3	3	0
Lead	ppm	ASTM D5185m	>25	0	<1	0
Copper	ppm	ASTM D5185m	>100	4	13	1
Tin	ppm	ASTM D5185m	>10	<1	2	<1
Antimony	ppm	ASTM D5185m	>5			0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		mathad	1221/1	ourrant.	Internation	history2
7.00111120		method	limit/base	current	history1	HISTORYZ
	ppm	ASTM D5185m	400	273	239	328
	ppm				•	•
Boron Barium		ASTM D5185m	400	273	239	328
Boron Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m	400 200	273 0	239	328 0
Boron Barium Molybdenum Manganese	ppm	ASTM D5185m ASTM D5185m ASTM D5185m	400 200	273 0 0	239 0 <1	328 0 <1
Boron Barium Molybdenum Manganese Magnesium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	400 200 12	273 0 0 12	239 0 <1 10	328 0 <1
Boron Barium Molybdenum Manganese	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	400 200 12	273 0 0 12 2	239 0 <1 10	328 0 <1 12 <1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	400 200 12 12 150	273 0 0 12 2	239 0 <1 10 1	328 0 <1 12 <1 16
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	400 200 12 12 150 1650	273 0 0 12 2 0 1428	239 0 <1 10 1 10 1114	328 0 <1 12 <1 16 1441
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	400 200 12 12 150 1650 125	273 0 0 12 2 0 1428 18	239 0 <1 10 1 10 1114 13	328 0 <1 12 <1 16 1441 5
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAI	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	400 200 12 12 150 1650 125 22500 limit/base	273 0 0 12 2 0 1428 18 22714	239 0 <1 10 1 10 1114 13 22641	328 0 <1 12 <1 16 1441 5 20321
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAI	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	400 200 12 12 150 1650 125 22500 limit/base	273 0 0 12 2 0 1428 18 22714 current	239 0 <1 10 1 10 1114 13 22641 history1	328 0 <1 12 <1 16 1441 5 20321 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAI Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	400 200 12 12 150 1650 125 22500 limit/base	273 0 0 12 2 0 1428 18 22714 current	239 0 <1 10 1 10 1114 13 22641 history1	328 0 <1 12 <1 16 1441 5 20321 history2 33
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAI Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	400 200 12 12 150 1650 125 22500 limit/base	273 0 0 12 2 0 1428 18 22714 current 34	239 0 <1 10 1 10 1114 13 22641 history1 30 8	328 0 <1 12 <1 16 1441 5 20321 history2 33 9
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAL Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	400 200 12 12 150 1650 125 22500 limit/base >75 >20 limit/base	273 0 0 12 2 0 1428 18 22714 current 34 8 3	239 0 <1 10 1 10 1114 13 22641 history1 30 8 2	328 0 <1 12 <1 16 1441 5 20321 history2 33 9 3
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAI Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	400 200 12 12 150 1650 125 22500 limit/base >75 >20	273 0 0 12 2 0 1428 18 22714 current 34 8 3	239 0 <1 10 1 10 1114 13 22641 history1 30 8 2	328 0 <1 12 <1 16 1441 5 20321 history2 33 9 3
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAI Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm	ASTM D5185m  Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	400 200 12 12 150 1650 125 22500 limit/base >75 >20 limit/base	273 0 0 12 2 0 1428 18 22714 current 34 8 3 current	239 0 <1 10 1 10 1114 13 22641 history1 30 8 2 history1 NONE	328 0 <1 12 <1 16 1441 5 20321 history2 33 9 3 history2 NONE
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAL Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm	ASTM D5185m  method  *Visual  *Visual	400 200 12 12 150 1650 125 22500 limit/base >75 >20 limit/base NONE NONE	273 0 0 12 2 0 1428 18 22714 current 34 8 3 current NONE	239 0 <1 10 1 10 1114 13 22641 history1 30 8 2 history1 NONE NONE	328 0 <1 12 <1 16 1441 5 20321 history2 33 9 3 history2 NONE NONE
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAI Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm	ASTM D5185m  method  *Visual  *Visual	400 200 12 12 150 1650 125 22500 limit/base >75 >20 limit/base NONE NONE NONE	273 0 0 12 2 0 1428 18 22714 current 34 8 3 current NONE NONE	239 0 <1 10 1 10 1114 13 22641 history1 30 8 2 history1 NONE NONE	328 0 <1 12 <1 16 1441 5 20321 history2 33 9 3 history2 NONE NONE
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAL Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm	ASTM D5185m  METHOD  ASTM D5185m ASTM D5185m  **Visual  **Visual  **Visual	400 200 12 12 150 1650 125 22500 limit/base >75 >20 limit/base NONE NONE NONE	273 0 0 12 2 0 1428 18 22714 current 34 8 3 current NONE NONE NONE NONE	239 0 <1 10 1 10 1114 13 22641 history1 30 8 2 history1 NONE NONE NONE NONE	328 0 <1 12 <1 16 1441 5 20321 history2 33 9 3 history2 NONE NONE NONE
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAL Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm	ASTM D5185m  MEthod  ASTM D5185m ASTM D5185m  *Visual *Visual *Visual *Visual *Visual *Visual	400 200 12 12 150 1650 125 22500 limit/base >75 >20 limit/base NONE NONE NONE NONE NONE	273 0 0 12 2 0 1428 18 22714 current 34 8 3 current NONE NONE NONE NONE NONE NONE	239 0 <1 10 1 10 1114 13 22641 history1 30 8 2 history1 NONE NONE NONE NONE NONE NONE	328 0 <1 12 <1 16 1441 5 20321 history2 33 9 3 history2 NONE NONE NONE NONE NONE NONE MODER
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAL Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm	ASTM D5185m  **ASTM D5185m ASTM D5185m  **ASTM D5185m  **Visual  **Visual  **Visual  **Visual  **Visual  **Visual  **Visual	400 200 12 12 150 1650 125 22500 limit/base >75 >20 limit/base NONE NONE NONE NONE NONE NONE NONE	273 0 0 12 2 0 1428 18 22714 current 34 8 3 current NONE NONE NONE NONE NONE NONE NONE NON	239 0 <1 10 1 10 1114 13 22641 history1 30 8 2 history1 NONE NONE NONE NONE NONE NONE NONE NON	328 0 <1 12 <1 16 1441 5 20321 history2 33 9 3 history2 NONE NONE NONE NONE NONE NONE NONE NON

**Emulsified Water** 

scalar \*Visual

scalar \*Visual

>.2

NEG

**NEG** 

NEG

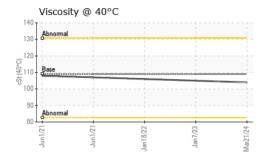
NEG

NEG

Submitted By: ?

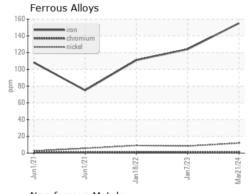


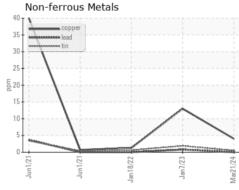
# **OIL ANALYSIS REPORT**

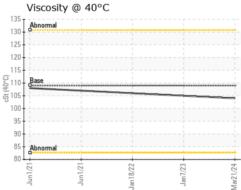




# **GRAPHS**











Certificate 12367

Laboratory Sample No.

: PCA0119538 Lab Number : 06220132 Unique Number : 11098329

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 25 Jun 2024 **Tested** Diagnosed

: 26 Jun 2024 : 27 Jun 2024 - Sean Felton

**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)

Report Id: PERGEODE [WUSCAR] 06220132 (Generated: 06/29/2024 07:02:22) Rev: 1

Submitted By: ?

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