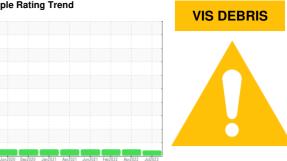


PROBLEM SUMMARY

Sample Rating Trend



Machine Id 1926722

Component **Rear Differential**

GEAR OIL SAE 75W90 (--- QTS)

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

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

PROBLEMATIC TEST RESULTS									
Sample Status				ABNORMAL	NORMAL	NORMAL			
Debris	scalar	*Visual	NONE	▲ MODER	LIGHT	NONE			

Customer Id: PERGEODE **Sample No.:** PCA0102173 Lab Number: 05931008 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

30 Apr 2022 Diag: Don Baldridge

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



20 Feb 2022 Diag: Don Baldridge

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



27 Jun 2021 Diag: Wes Davis

NORMAL



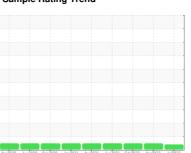
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.





OIL ANALYSIS REPORT

Sample Rating Trend



VIS DEBRIS



Machine Id 1926722

Component

Rear Differential

GEAR OIL SAE 75W90 (--- QTS)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

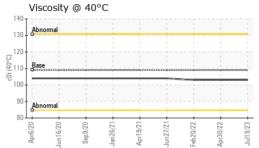
Fluid Condition

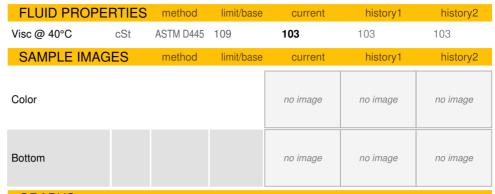
The condition of the oil is acceptable for the time in service.

April020 Sunil020 Supil020 Supil020 Junil021 April021 Sunil021 Feb.0022 April023 Sull023									
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		PCA0102173	PCA0068328	PCA0068315			
Sample Date		Client Info		19 Jul 2023	30 Apr 2022	20 Feb 2022			
Machine Age	mls	Client Info		371279	250421	229690			
Oil Age	mls	Client Info		0	0	0			
Oil Changed		Client Info		Not Changd	Not Changd	N/A			
Sample Status				ABNORMAL	NORMAL	NORMAL			
WEAR METAL	S	method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>200	168	133	126			
Chromium	ppm	ASTM D5185m	>10	1	<1	<1			
Nickel	ppm	ASTM D5185m	>10	10	7	7			
Titanium	ppm	ASTM D5185m		0	0	0			
Silver	ppm	ASTM D5185m		0	0	1			
Aluminum	ppm	ASTM D5185m		3	3	3			
Lead	ppm	ASTM D5185m		0	0	0			
Copper	ppm	ASTM D5185m		2	1	2			
Tin	ppm	ASTM D5185m		<1	<1	<1			
Antimony	ppm	ASTM D5185m	>5						
Vanadium	ppm	ASTM D5185m		0	0	0			
Cadmium	ppm	ASTM D5185m		0	0	0			
ADDITIVES		method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m	400	339	300	294			
Barium	ppm	ASTM D5185m	200	0	0	0			
Molybdenum	ppm	ASTM D5185m	12	<1	<1	<1			
Manganasa		AOTA DE LOS		10	8	8			
Manganese	ppm	ASTM D5185m		.0	O	0			
Magnesium	ppm	ASTM D5185m ASTM D5185m	12	0	0	0			
ū			12 150	-					
Magnesium	ppm	ASTM D5185m		0	0	0			
Magnesium Calcium	ppm	ASTM D5185m ASTM D5185m	150	0	0 9	0			
Magnesium Calcium Phosphorus	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	150 1650	0 6 1385	0 9 1410	0 9 1439			
Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	150 1650 125	0 6 1385 26	0 9 1410 16	0 9 1439 16			
Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	150 1650 125 22500	0 6 1385 26 26940	0 9 1410 16 20429	0 9 1439 16 20359			
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	150 1650 125 22500	0 6 1385 26 26940 current	0 9 1410 16 20429 history1	0 9 1439 16 20359 history2			
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	150 1650 125 22500 limit/base	0 6 1385 26 26940 current	0 9 1410 16 20429 history1 25	0 9 1439 16 20359 history2 25			
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	150 1650 125 22500 limit/base	0 6 1385 26 26940 current 32	0 9 1410 16 20429 history1 25	0 9 1439 16 20359 history2 25			
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	150 1650 125 22500 limit/base	0 6 1385 26 26940 current 32 8	0 9 1410 16 20429 history1 25 8 0	0 9 1439 16 20359 history2 25 7			
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	150 1650 125 22500 limit/base >20	0 6 1385 26 26940 current 32 8 1	0 9 1410 16 20429 history1 25 8 0	0 9 1439 16 20359 history2 25 7 0			
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm TS ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m MEthod ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m MEthod *Visual	150 1650 125 22500 Iimit/base >20 Iimit/base	0 6 1385 26 26940 current 32 8 1 current	0 9 1410 16 20429 history1 25 8 0 history1 LIGHT	0 9 1439 16 20359 history2 25 7 0 history2 NONE			
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m METhod ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method *Visual	150 1650 125 22500 limit/base >20 limit/base NONE NONE	0 6 1385 26 26940 current 32 8 1 current NONE	0 9 1410 16 20429 history1 25 8 0 history1 LIGHT NONE	0 9 1439 16 20359 history2 25 7 0 history2 NONE NONE			
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m MEthod ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method *Visual *Visual *Visual	150 1650 125 22500 Iimit/base >20 Iimit/base NONE NONE	0 6 1385 26 26940 current 32 8 1 current NONE NONE	0 9 1410 16 20429 history1 25 8 0 history1 LIGHT NONE NONE	0 9 1439 16 20359 history2 25 7 0 history2 NONE NONE			
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	150 1650 125 22500 limit/base >20 limit/base NONE NONE NONE	0 6 1385 26 26940 current 32 8 1 current NONE NONE NONE	0 9 1410 16 20429 history1 25 8 0 history1 LIGHT NONE NONE	0 9 1439 16 20359 history2 25 7 0 history2 NONE NONE NONE			
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	150 1650 125 22500 limit/base >20 limit/base NONE NONE NONE NONE NONE NONE	0 6 1385 26 26940 current 32 8 1 current NONE NONE NONE NONE	0 9 1410 16 20429 history1 25 8 0 history1 LIGHT NONE NONE NONE LIGHT	0 9 1439 16 20359 history2 25 7 0 history2 NONE NONE NONE NONE NONE NONE			
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM U5185m ASTM U5185m ASTM U	150 1650 125 22500 limit/base >20 limit/base NONE NONE NONE NONE NONE NONE NONE	0 6 1385 26 26940 current 32 8 1 current NONE NONE NONE NONE NONE	0 9 1410 16 20429 history1 25 8 0 history1 LIGHT NONE NONE NONE LIGHT NONE	0 9 1439 16 20359 history2 25 7 0 history2 NONE NONE NONE NONE NONE NONE NONE NON			
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm	ASTM D5185m *Visual	150 1650 125 22500 limit/base >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	0 6 1385 26 26940 current 32 8 1 current NONE NONE NONE NONE NONE NONE NONE NON	0 9 1410 16 20429 history1 25 8 0 history1 LIGHT NONE NONE NONE LIGHT NONE NONE NONE NONE NONE NONE NONE NON	0 9 1439 16 20359 history2 25 7 0 history2 NONE NONE NONE NONE NONE NONE NONE NON			

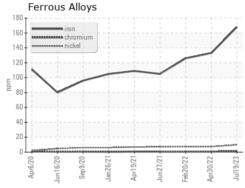


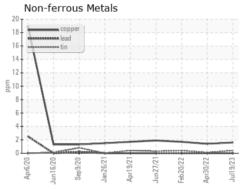
OIL ANALYSIS REPORT

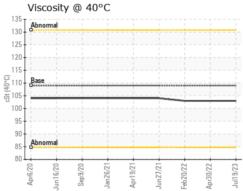




GRAPHS











Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10616279 Test Package : FLEET

: PCA0102173 : 05931008

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Aug 2023 Diagnosed : 23 Aug 2023 Diagnostician : Don Baldridge

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)

F: