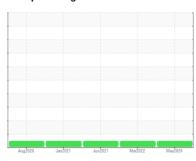


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 1926725

Component

1 Differential

GEAR OIL SAE 75W90 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

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		PCA0127243	PCA0069190	PCA0053455
Sample Date		Client Info		12 May 2024	14 Mar 2022	22 Jun 2021
Machine Age	mls	Client Info		380986	199592	160528
Oil Age	mls	Client Info		380986	199592	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	226	191	154
Chromium	ppm	ASTM D5185m		1	1	1
Nickel	ppm	ASTM D5185m		3	2	2
Titanium	ppm	ASTM D5185m	-	0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	2	3	2
Lead	ppm	ASTM D5185m	>25	1	2	2
Copper	ppm	ASTM D5185m		33	42	38
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		method	limit/base	current	history1	history2
	ppm	ASTM D5185m	400	237	277	393
Boron	ppm					
Boron Barium	ppm	ASTM D5185m	400	237	277	393
Boron Barium Molybdenum		ASTM D5185m ASTM D5185m	400 200	237 <1	277 0	393 0
Boron Barium Molybdenum Manganese	ppm	ASTM D5185m ASTM D5185m ASTM D5185m	400 200	237 <1 0	277 0 0	393 0 0
Boron Barium Molybdenum Manganese Magnesium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	400 200 12	237 <1 0 7	277 0 0 9	393 0 0 8
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	400 200 12	237 <1 0 7 2	277 0 0 9	393 0 0 8
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	400 200 12 12 150	237 <1 0 7 2	277 0 0 9 0	393 0 0 8 0
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	237 <1 0 7 2 0 1426	277 0 0 9 0 10 1451	393 0 0 8 0 9 1337
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	237 <1 0 7 2 0 1426 14	277 0 0 9 0 10 1451 14	393 0 0 8 0 9 1337
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN	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	237 <1 0 7 2 0 1426 14 22294	277 0 0 9 0 10 1451 14 20162	393 0 0 8 0 9 1337 11 21308
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	400 200 12 12 150 1650 125 22500 limit/base	237 <1 0 7 2 0 1426 14 22294 current	277 0 0 9 0 10 1451 14 20162 history1	393 0 0 8 0 9 1337 11 21308
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	400 200 12 12 150 1650 125 22500 Imit/base	237 <1 0 7 2 0 1426 14 22294 current	277 0 0 9 0 10 1451 14 20162 history1	393 0 0 8 0 9 1337 11 21308 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	400 200 12 12 150 1650 125 22500 Imit/base	237 <1 0 7 2 0 1426 14 22294 current 25 7	277 0 0 0 9 0 10 1451 14 20162 history1 15 8	393 0 0 8 0 9 1337 11 21308 history2 11 8
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm ppm ppm 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	237 <1 0 7 2 0 1426 14 22294 current 25 7 2 current NONE	277 0 0 9 0 10 1451 14 20162 history1 15 8 0	393 0 0 8 0 9 1337 11 21308 history2 11 8 1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN 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	237 <1 0 7 2 0 1426 14 22294 current 25 7 2 current	277 0 0 0 9 0 10 1451 14 20162 history1 15 8 0 history1	393 0 0 0 8 0 9 1337 11 21308 history2 11 8 1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	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	237 <1 0 7 2 0 1426 14 22294 current 25 7 2 current NONE	277 0 0 9 0 10 1451 14 20162 history1 15 8 0 history1 NONE	393 0 0 0 8 0 9 1337 11 21308 history2 11 8 1 history2 NONE
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN 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	237 <1 0 7 2 0 1426 14 22294 current 25 7 2 current NONE NONE	277 0 0 9 0 10 1451 14 20162 history1 15 8 0 history1 NONE NONE	393 0 0 0 8 0 9 1337 11 21308 history2 11 8 1 history2 NONE NONE
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN 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	237 <1 0 7 2 0 1426 14 22294 current 25 7 2 current NONE NONE	277 0 0 9 0 110 1451 14 20162 history1 15 8 0 history1 NONE NONE	393 0 0 8 0 9 1337 11 21308 history2 11 8 1 history2 NONE NONE
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN 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	237 <1 0 7 2 0 1426 14 22294 current 25 7 2 current NONE NONE NONE	277 0 0 9 0 110 1451 14 20162 history1 15 8 0 history1 NONE NONE NONE	393 0 0 8 0 9 1337 11 21308 history2 11 8 1 history2 NONE NONE NONE
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN 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	400 200 12 12 150 1650 125 22500 limit/base >75 >20 limit/base NONE NONE NONE NONE NONE	237 <1 0 7 2 0 1426 14 22294 current 25 7 2 current NONE NONE NONE NONE NONE NONE	277 0 0 0 9 0 10 1451 14 20162 history1 15 8 0 history1 NONE NONE NONE NONE NONE NONE	393 0 0 0 8 0 9 1337 11 21308 history2 11 8 1 history2 NONE NONE NONE NONE NONE NONE
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm	ASTM D5185m **STM D5185m ASTM D5185m ASTM D5185m **STM D5185m **STM D5185m **Visual **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	237 <1 0 7 2 0 1426 14 22294 current 25 7 2 current NONE NONE NONE NONE NONE NONE NONE NON	277 0 0 0 9 0 10 1451 14 20162 history1 15 8 0 history1 NONE NONE NONE NONE NONE NONE NONE NON	393 0 0 0 8 0 9 1337 11 21308 history2 11 8 1 history2 NONE NONE NONE NONE NONE NONE NONE NON

Emulsified Water

scalar *Visual

scalar *Visual

>.2

NEG

NEG

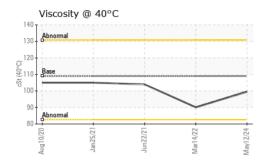
NEG

NEG

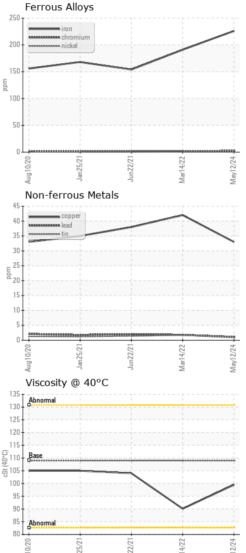
NEG



OIL ANALYSIS REPORT



FLUID PROP	ERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	109	99.5	90.1	104
SAMPLE IMA	GES	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image







Certificate 12367

Sample No.

: PCA0127243 Lab Number : 06220137 Unique Number : 11098334

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Jun 2024 **Tested** : 26 Jun 2024

: 26 Jun 2024 - Wes Davis Diagnosed

US 19947 Contact: ROBERT LOCKWOOD Robert.Lockwood@Perdue.com T:

PERDUE FARMS - GEORGETOWN

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:

20621 SAVANAH RD

GEORGETOWN, DE