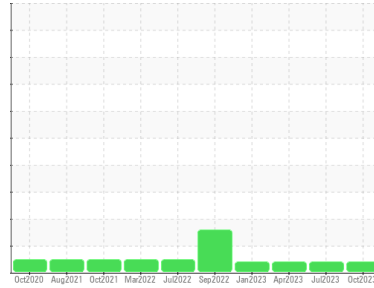


OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id
26518
 Component
1 Differential
 Fluid
GEAR OIL SAE 75W90 (--- QTS)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

Viscosity of sample indicates oil is within ISO 320 range, advise investigate. Confirm oil type.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0109370	PCA0101690	PCA0097037
Sample Date	Client Info		18 Oct 2023	10 Jul 2023	24 Apr 2023
Machine Age	mls	Client Info	0	480724	458065
Oil Age	mls	Client Info	500820	480724	458065
Oil Changed	Client Info		Changed	Not Changd	Not Changd
Sample Status			ATTENTION	ATTENTION	ATTENTION

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	138	175	115
Chromium	ppm	ASTM D5185m >10	1	2	1
Nickel	ppm	ASTM D5185m >10	6	9	5
Titanium	ppm	ASTM D5185m	2	1	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	2	4	4
Lead	ppm	ASTM D5185m >25	3	4	<1
Copper	ppm	ASTM D5185m >100	17	20	9
Tin	ppm	ASTM D5185m >10	0	<1	0
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	<1	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	244	380	254
Barium	ppm	ASTM D5185m 200	0	0	<1
Molybdenum	ppm	ASTM D5185m 12	<1	<1	<1
Manganese	ppm	ASTM D5185m	13	19	13
Magnesium	ppm	ASTM D5185m 12	5	6	7
Calcium	ppm	ASTM D5185m 150	21	29	21
Phosphorus	ppm	ASTM D5185m 1650	1003	1538	1042
Zinc	ppm	ASTM D5185m 125	11	48	24
Sulfur	ppm	ASTM D5185m 22500	26630	37062	28340

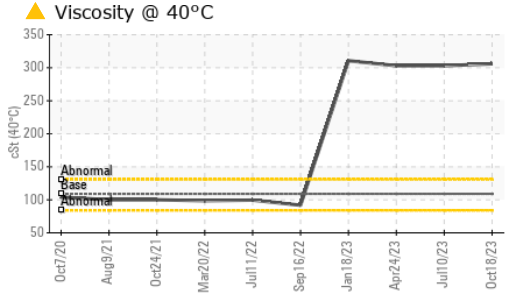
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	56	68	42
Sodium	ppm	ASTM D5185m	5	11	6
Potassium	ppm	ASTM D5185m >20	3	3	3

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	LIGHT	NONE	NONE
Debris	scalar	*Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	NONE
Appearance	scalar	*Visual NORML	NORML	NORML	NORML
Odor	scalar	*Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual >.2	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

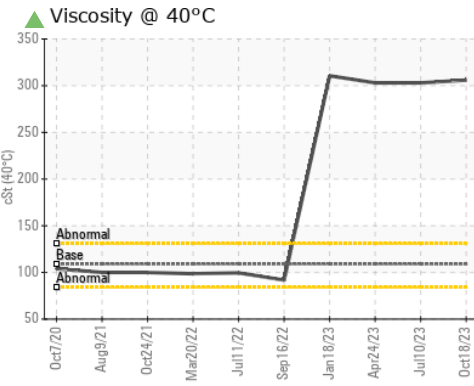
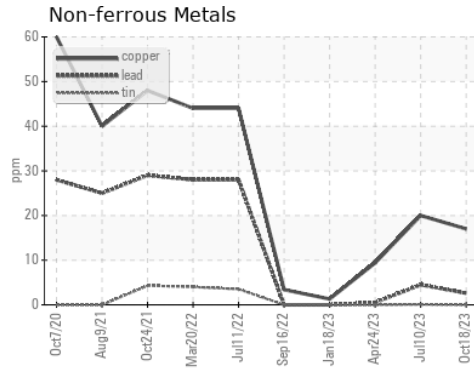
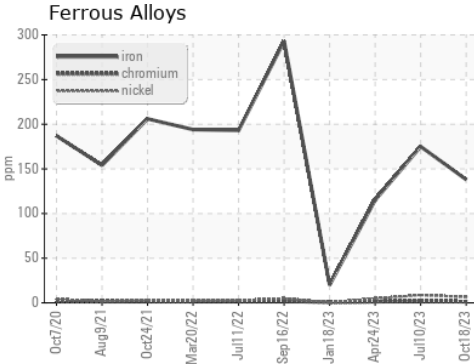
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	▲ 306	▲ 303	▲ 303

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0109370 **Received** : 15 Dec 2023
Lab Number : 06037104 **Diagnosed** : 20 Dec 2023
Unique Number : 10792333 **Diagnostician** : Jonathan Hester
Test Package : FLEET

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)

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F: