



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
2227004
 Component
Front Differential
 Fluid
GEAR OIL SAE 75W90 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0106089	PCA0116025	PCA0100536
Sample Date		Client Info		01 May 2024	27 Feb 2024	30 Aug 2023
Machine Age	mls	Client Info		97613	81492	35642
Oil Age	mls	Client Info		0	81492	35642
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	225	150	147
Chromium	ppm	ASTM D5185m	>10	3	1	2
Nickel	ppm	ASTM D5185m	>10	4	0	2
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	2	2
Lead	ppm	ASTM D5185m	>25	13	0	8
Copper	ppm	ASTM D5185m	>100	38	1	23
Tin	ppm	ASTM D5185m	>10	3	<1	2
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

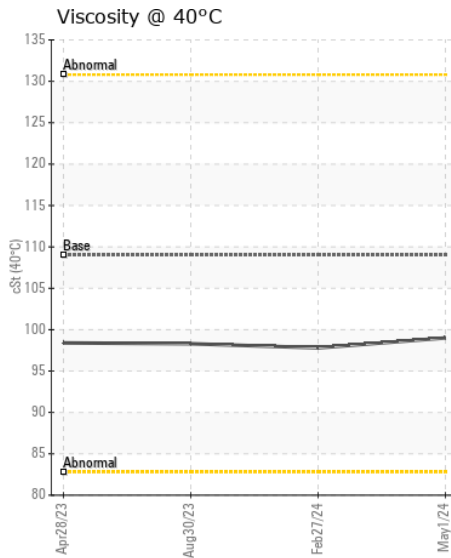
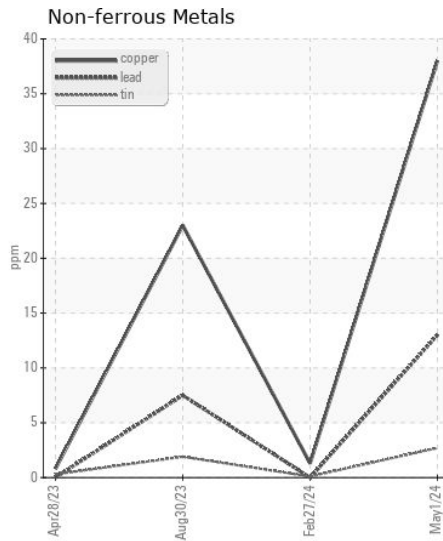
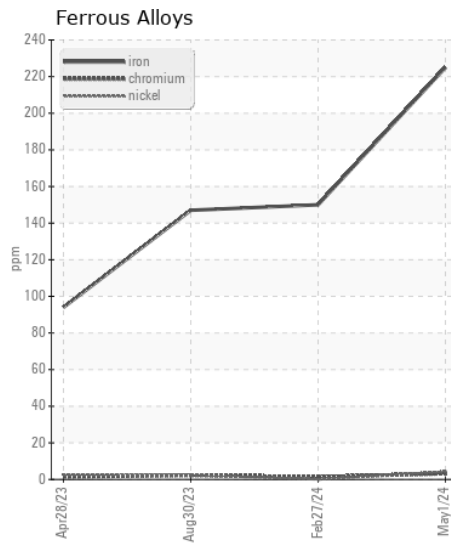
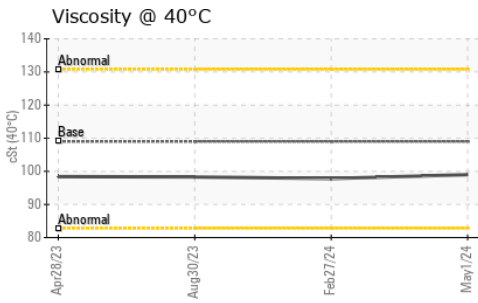
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	50	20	48
Potassium	ppm	ASTM D5185m	>20	6	2	5
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	▲ MODER
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		13	3	9
Boron	ppm	ASTM D5185m	400	252	335	194
Barium	ppm	ASTM D5185m	200	9	0	7
Molybdenum	ppm	ASTM D5185m	12	4	0	3
Manganese	ppm	ASTM D5185m		21	2	14
Magnesium	ppm	ASTM D5185m	12	18	2	13
Calcium	ppm	ASTM D5185m	150	91	7	65
Phosphorus	ppm	ASTM D5185m	1650	1652	1602	1225
Zinc	ppm	ASTM D5185m	125	63	3	44
Sulfur	ppm	ASTM D5185m	22500	36285	28683	28295
Visc @ 40°C	cSt	ASTM D445	109	99.0	97.8	98.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0106089
Lab Number : 06174461
Unique Number : 11020514
Test Package : FLEET
Received : 09 May 2024
Tested : 10 May 2024
Diagnosed : 13 May 2024 - Don Baldrige

PERDUE FARMS - BRIDGEVILLE
 8634 E NEWTON RD
 BRIDGEVILLE, DE
 US 19933
 Contact: GEORGE LACATES

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)

T:
F: