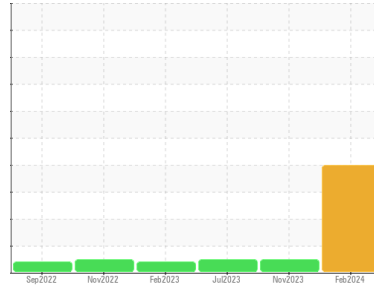


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
2126977

Component
1 Differential

Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (--- QTS)

DIAGNOSIS

Recommendation

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Wear

Gear wear is indicated.

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Fluid Condition

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	PCA0117934	PCA0113258	PCA0102149	
Sample Date	Client Info	10 Feb 2024	26 Nov 2023	22 Jul 2023	
Machine Age	mls	Client Info	163575	142597	122121
Oil Age	mls	Client Info	163575	142597	122121
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd	
Sample Status		ABNORMAL	NORMAL	NORMAL	

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	▲ 821	273	255
Chromium	ppm	ASTM D5185m	>10	8	4	4
Nickel	ppm	ASTM D5185m	>10	▲ 28	4	3
Titanium	ppm	ASTM D5185m		1	1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	● 13	2	3
Lead	ppm	ASTM D5185m	>25	0	6	5
Copper	ppm	ASTM D5185m	>100	13	39	33
Tin	ppm	ASTM D5185m	>10	1	2	2
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0

ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	328	60	129	120
Barium	ppm	ASTM D5185m	1	0	0	4
Molybdenum	ppm	ASTM D5185m		3	2	0
Manganese	ppm	ASTM D5185m		23	15	15
Magnesium	ppm	ASTM D5185m	1	0	23	5
Calcium	ppm	ASTM D5185m	7	29	37	50
Phosphorus	ppm	ASTM D5185m	1145	1072	1042	1081
Zinc	ppm	ASTM D5185m	3	42	29	39
Sulfur	ppm	ASTM D5185m	17909	27320	26287	28058

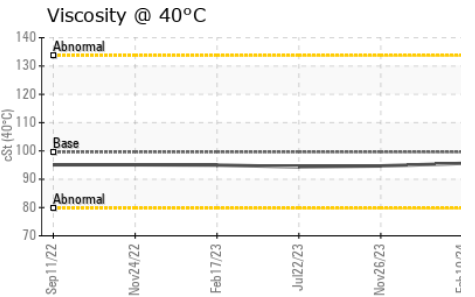
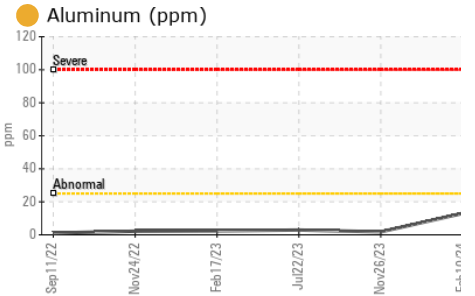
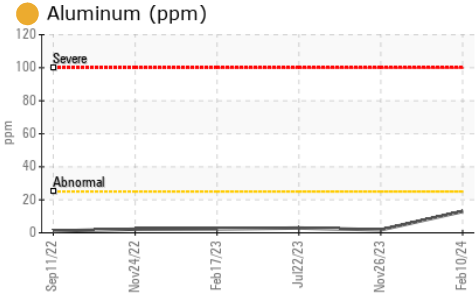
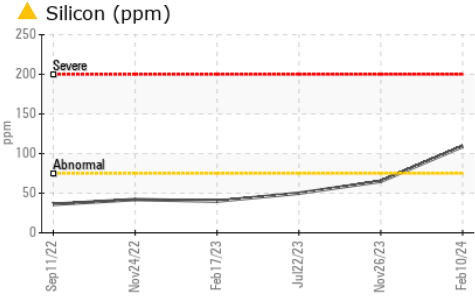
CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>75	▲ 109	65	50
Sodium	ppm	ASTM D5185m		7	8	9
Potassium	ppm	ASTM D5185m	>20	8	4	2

VISUAL

method	limit/base	current	history1	history2		
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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

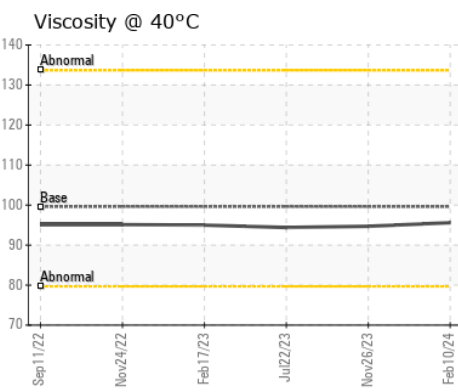
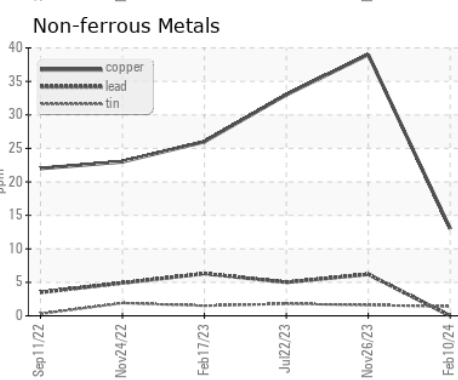
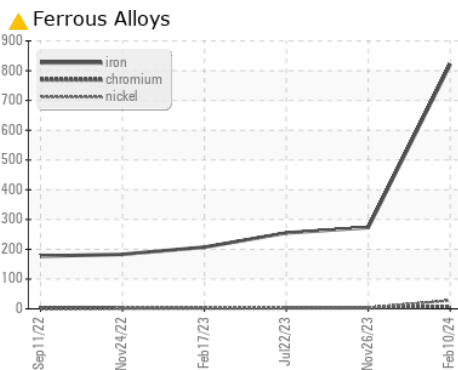
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	99.6	95.6	94.7

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0117934 **Received** : 14 Mar 2024
Lab Number : 06118648 **Tested** : 15 Mar 2024
Unique Number : 10927481 **Diagnosed** : 18 Mar 2024 - Don Baldrige
Test Package : FLEET

PERDUE FARMS - GEORGETOWN
 20621 SAVANAH RD
 GEORGETOWN, DE
 US 19947
 Contact: ROBERT LOCKWOOD
 Robert.Lockwood@Perdue.com
 T:
 F:

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)