

OIL ANALYSIS REPORT

Sample Rating Trend

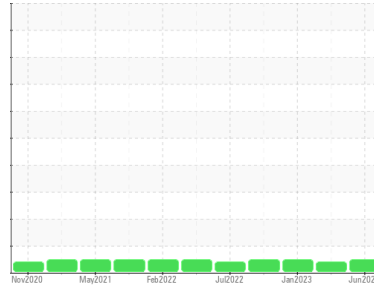
NORMAL



Machine Id
2026813

Component
1 Differential
Fluid

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



DIAGNOSIS

Recommendation

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

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	PCA0100151	PCA0095196	PCA0090100	
Sample Date	Client Info	12 Jun 2023	27 Mar 2023	10 Jan 2023	
Machine Age	mls	Client Info	295803	274909	256464
Oil Age	mls	Client Info	295803	274909	256464
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd	
Sample Status		NORMAL	ABNORMAL	NORMAL	

WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>500	323	275	274
Chromium	ppm	ASTM D5185m	>10	3	2	2
Nickel	ppm	ASTM D5185m	>10	6	6	5
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	3	2
Lead	ppm	ASTM D5185m	>25	1	<1	1
Copper	ppm	ASTM D5185m	>100	35	29	33
Tin	ppm	ASTM D5185m	>10	2	2	2
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	328	244	233	273
Barium	ppm	ASTM D5185m	1	0	<1	<1
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		13	12	11
Magnesium	ppm	ASTM D5185m	1	0	3	<1
Calcium	ppm	ASTM D5185m	7	7	10	10
Phosphorus	ppm	ASTM D5185m	1145	1401	1394	1355
Zinc	ppm	ASTM D5185m	3	13	7	13
Sulfur	ppm	ASTM D5185m	17909	26887	28324	26757

CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>75	66	52	54
Sodium	ppm	ASTM D5185m		7	7	8
Potassium	ppm	ASTM D5185m	>20	2	2	1

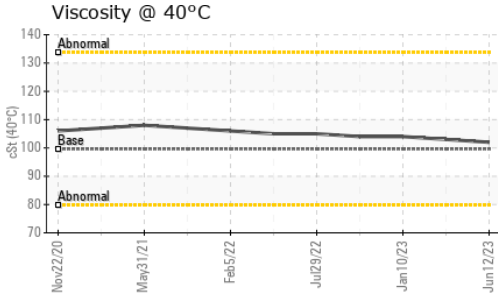
VISUAL

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	▲ MODER	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

FLUID PROPERTIES

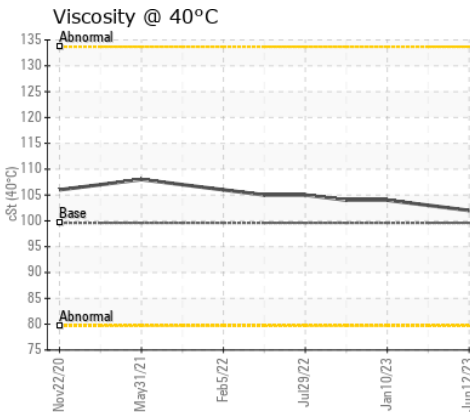
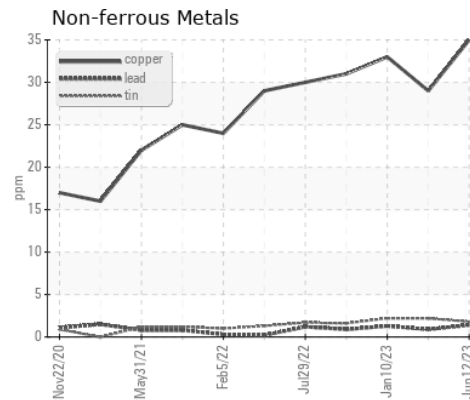
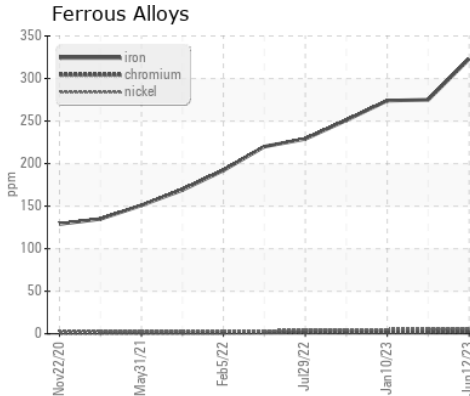
method	limit/base	current	history1	history2		
Visc @ 40°C	cSt	ASTM D445	99.6	102	103	104

OIL ANALYSIS REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0100151
Lab Number : 05931107
Unique Number : 10616378
Test Package : FLEET

Received : 22 Aug 2023
Diagnosed : 23 Aug 2023
Diagnostician : Don Baldrige

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: