

OIL ANALYSIS REPORT

Sample Rating Trend

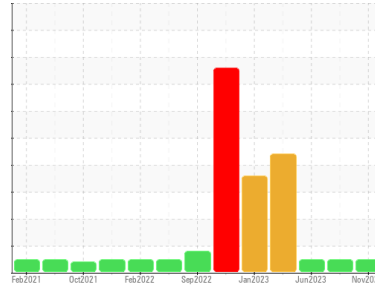
NORMAL



Machine Id
1926737

Component
Rear 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	PCA0112389	PCA0101084	PCA0099923
Sample Date	Client Info	13 Nov 2023	29 Aug 2023	05 Jun 2023
Machine Age	mls	371882	353177	333131
Oil Age	mls	371882	353177	333131
Oil Changed	Client Info	Not Changed	Not Changed	Not Changed
Sample Status		NORMAL	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	204	173	160
Chromium	ppm ASTM D5185m >10	2	1	1
Nickel	ppm ASTM D5185m >10	11	10	9
Titanium	ppm ASTM D5185m	<1	0	<1
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >25	2	2	1
Lead	ppm ASTM D5185m >25	0	0	0
Copper	ppm ASTM D5185m >100	3	2	2
Tin	ppm ASTM D5185m >10	0	0	0
Vanadium	ppm ASTM D5185m	<1	<1	0
Cadmium	ppm ASTM D5185m	<1	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 328	334	293	368
Barium	ppm ASTM D5185m 1	0	0	0
Molybdenum	ppm ASTM D5185m	<1	<1	<1
Manganese	ppm ASTM D5185m	5	4	4
Magnesium	ppm ASTM D5185m 1	3	0	<1
Calcium	ppm ASTM D5185m 7	8	0	5
Phosphorus	ppm ASTM D5185m 1145	1235	1259	1351
Zinc	ppm ASTM D5185m 3	0	0	17
Sulfur	ppm ASTM D5185m 17909	24704	23304	26270

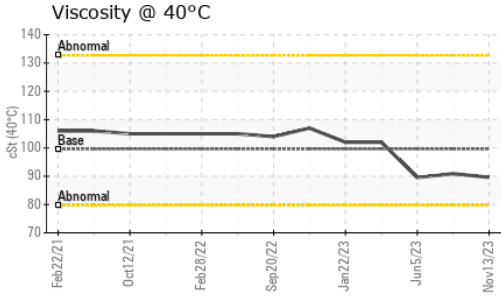
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	16	11	12
Sodium	ppm ASTM D5185m	<1	2	2
Potassium	ppm ASTM D5185m >20	2	0	<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	LIGHT	LIGHT	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

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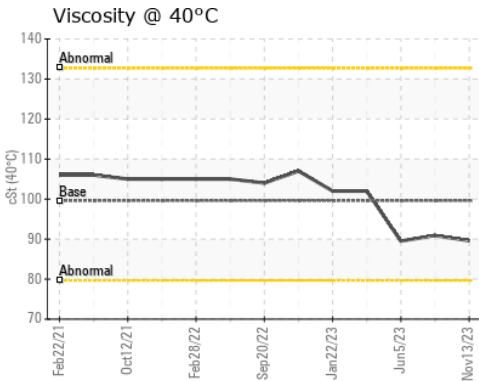
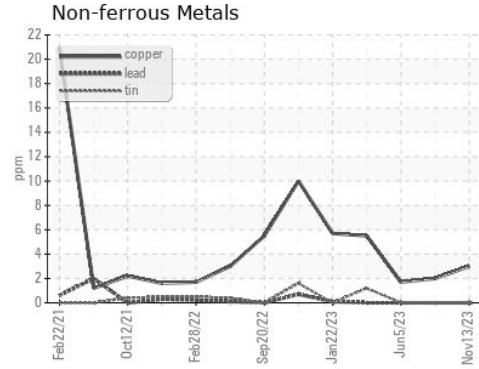
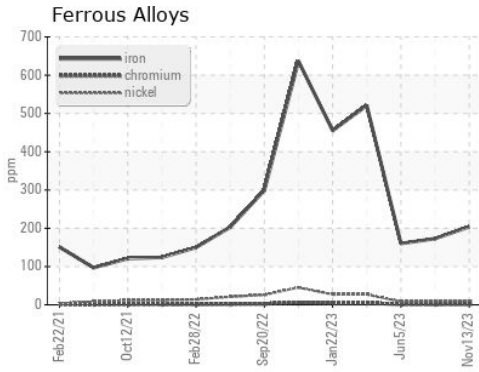
FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	99.6	89.6	90.9	89.5

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. : PCA0112389 **Recieved** : 15 Dec 2023
Lab Number : **06037127** **Diagnosed** : 20 Dec 2023
Unique Number : 10792356 **Diagnostician** : Jonathan Hester
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)