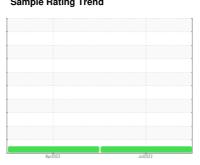


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **2126970**

Component **Front Differential**

PETRO CANADA TRAXON SYNTHETIC 75

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

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

WEAR METALS	W90 (QTS)			Apr2023	Jui/2023		
Client Info 26 Jul 2023	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Date Client Info 26 Jul 2023 29 Apr 2023	Sample Number		Client Info		PCA0102159	PCA0092886	
Machine Age mls Client Info 40486 20416			Client Info		26 Jul 2023	29 Apr 2023	
Oil Changed	•	mls					
Colin Changed Client Info Not Changed NORMAL NO							
WEAR METALS							
Chromium	Sample Status					Ŭ	
Chromium ppm ASTM D5185m >10 4 3 Nickel ppm ASTM D5185m >10 5 3 Titianium ppm ASTM D5185m <1	WEAR METAL	.S	method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>500	235	192	
Titanium	Chromium	ppm	ASTM D5185m	>10	4	3	
Silver	Nickel	ppm	ASTM D5185m	>10	5	3	
ASTM D5185m S25	Titanium	ppm	ASTM D5185m		<1	<1	
Lead	Silver	ppm	ASTM D5185m		0	0	
Copper	Aluminum	ppm	ASTM D5185m	>25	1	2	
Copper	Lead	ppm	ASTM D5185m	>25	8	3	
Tin	Copper		ASTM D5185m	>100	22	15	
Vanadium ppm ASTM D5185m 0 0 Cadmium ppm ASTM D5185m <1 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 328 152 141 Barium ppm ASTM D5185m 1 0 2 Molybdenum ppm ASTM D5185m 1 0 2 Magnesium ppm ASTM D5185m 1 0 2 Magnesium ppm ASTM D5185m 7 13 14 Calcium ppm ASTM D5185m 7 13 14 Phosphorus ppm ASTM D5185m 3 22 9 Zinc ppm ASTM D5185m 3 22 9 Sulfur ppm ASTM D5185m 75 52 44 <	Tin				1	<1	
ADDITIVES	Vanadium		ASTM D5185m		0	0	
Boron ppm ASTM D5185m 328 152 141	Cadmium				<1		
Barium	ADDITIVES		method	limit/base	current	history1	history2
Barium	Boron	ppm	ASTM D5185m	328	152	141	
Manganese ppm ASTM D5185m 13 12 Magnesium ppm ASTM D5185m 1 0 2 Calcium ppm ASTM D5185m 7 13 14 Phosphorus ppm ASTM D5185m 1145 1090 1014 Zinc ppm ASTM D5185m 3 22 9 Sulfur ppm ASTM D5185m 17909 26176 28133 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 52 44 Sodium ppm ASTM D5185m 9 8 Potassium ppm ASTM D5185m >20 3 3 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE<	Barium	ppm	ASTM D5185m	1	0	2	
Magnesium ppm ASTM D5185m 1 0 2 Calcium ppm ASTM D5185m 7 13 14 Phosphorus ppm ASTM D5185m 1145 1090 1014 Zinc ppm ASTM D5185m 3 22 9 Sulfur ppm ASTM D5185m 17909 26176 28133 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 52 44 Sodium ppm ASTM D5185m 9 8 Potassium ppm ASTM D5185m >20 3 3 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE <t< td=""><td>Molybdenum</td><td>ppm</td><td>ASTM D5185m</td><td></td><td><1</td><td><1</td><td></td></t<>	Molybdenum	ppm	ASTM D5185m		<1	<1	
Magnesium ppm ASTM D5185m 1 0 2 Calcium ppm ASTM D5185m 7 13 14 Phosphorus ppm ASTM D5185m 1145 1090 1014 Zinc ppm ASTM D5185m 3 22 9 Sulfur ppm ASTM D5185m 17909 26176 28133 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 52 44 Sodium ppm ASTM D5185m >9 8 Potassium ppm ASTM D5185m >20 3 3 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE	Manganese	ppm	ASTM D5185m		13	12	
Calcium ppm ASTM D5185m 7 13 14 Phosphorus ppm ASTM D5185m 1145 1090 1014 Zinc ppm ASTM D5185m 3 22 9 Sulfur ppm ASTM D5185m 17909 26176 28133 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 52 44 Sodium ppm ASTM D5185m 9 8 Potassium ppm ASTM D5185m >20 3 3 Potassium ppm ASTM D5185m >20 3 3 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE	Magnesium	ppm	ASTM D5185m	1	0	2	
Phosphorus ppm ASTM D5185m 1145 1090 1014 Zinc ppm ASTM D5185m 3 22 9 Sulfur ppm ASTM D5185m 17909 26176 28133 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 52 44 Sodium ppm ASTM D5185m 9 8 Potassium ppm ASTM D5185m 90 8 Potassium ppm ASTM D5185m 90 8 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE	Calcium	ppm	ASTM D5185m	7	13	14	
Zinc ppm ASTM D5185m 3 22 9 Sulfur ppm ASTM D5185m 17909 26176 28133 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 52 44 Sodium ppm ASTM D5185m 9 8 Potassium ppm ASTM D5185m 9 8 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NON	Phosphorus		ASTM D5185m	1145	1090	1014	
Sulfur ppm ASTM D5185m 17909 26176 28133 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 52 44 Sodium ppm ASTM D5185m 9 8 Potassium ppm ASTM D5185m >20 3 3 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt	Zinc			3	22	9	
Silicon	Sulfur				26176	28133	
Sodium	CONTAMINAN	ITS	method	limit/base	current	history1	history2
Sodium ppm ASTM D5185m 9 8 Potassium ppm ASTM D5185m >20 3 3 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML Free Water scalar *Visual	Silicon	ppm	ASTM D5185m	>75	52	44	
VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG Free Water scalar *Visual NEG	Sodium		ASTM D5185m		9	8	
White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NORML NORML NORML Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG Free Water scalar *Visual NEG	Potassium		ASTM D5185m	>20	3	3	
Yellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG Free Water scalar *Visual NEG NEG	VISUAL		method	limit/base	current	history1	history2
Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG Free Water scalar *Visual NEG NEG	White Metal	scalar	*Visual	NONE	NONE	NONE	
Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG Free Water scalar *Visual NEG NEG	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG Free Water scalar *Visual NEG NEG	Precipitate	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG Free Water scalar *Visual NEG NEG	Silt	scalar	*Visual	NONE	NONE	NONE	
Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG Free Water scalar *Visual NEG NEG	Debris	scalar	*Visual	NONE	NONE	NONE	
Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG Free Water scalar *Visual NEG NEG	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Odor scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual >.2 NEG NEG Free Water scalar *Visual NEG NEG	Appearance	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water scalar *Visual >.2 NEG NEG Free Water scalar *Visual NEG NEG	Odor			NORML	NORML	NORML	
Free Water scalar *Visual NEG NEG	Emulsified Water						
FLUID PROPERTIES method limit/base current history1 history2	Free Water						
	FLUID PROPE	RTIES	method	limit/base	current	history1	history2

Visc @ 40°C

cSt

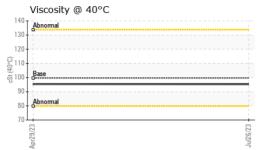
ASTM D445 99.6

95.3

95.2

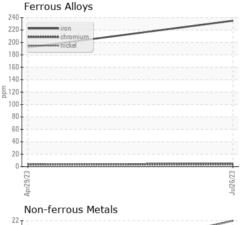


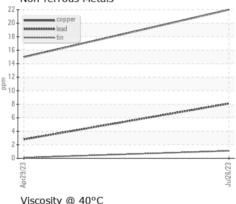
OIL ANALYSIS REPORT

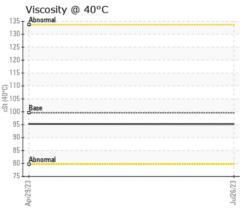




GRAPHS











Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10616291 Test Package : FLEET

: PCA0102159 : 05931020

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Aug 2023 Diagnosed : 23 Aug 2023 Diagnostician : Don Baldridge

PERDUE FARMS - GEORGETOWN

20621 SAVANAH RD GEORGETOWN, DE

US 19947 Contact: ROBERT LOCKWOOD

Robert.Lockwood@Perdue.com

* - 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: