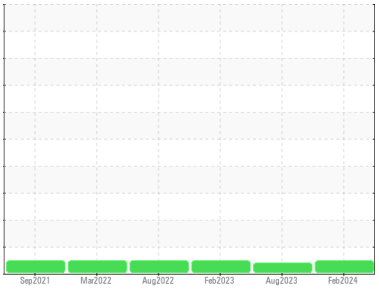
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
DT799
Component
Rear Differential
Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (3 GAL)

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		**PCA0113163**	PCA0096953	PCA0091199
Sample Date		Client Info		**15 Feb 2024**	01 Aug 2023	08 Feb 2023
Machine Age	hrs	Client Info		**129394**	129394	102857
Oil Age	hrs	Client Info		**76712**	103249	26145
Oil Changed		Client Info		**Not Changd**	Not Changd	Not Changd
Sample Status				**NORMAL**	ABNORMAL	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	**176**	100	283
Chromium	ppm	ASTM D5185m	>10	**1**	1	3
Nickel	ppm	ASTM D5185m	>10	**0**	<1	0
Titanium	ppm	ASTM D5185m		**<1**	<1	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**14**	5	0
Lead	ppm	ASTM D5185m	>25	**0**	0	0
Copper	ppm	ASTM D5185m	>100	**<1**	<1	<1
Tin	ppm	ASTM D5185m	>10	**0**	0	0
Vanadium	ppm	ASTM D5185m		**<1**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	328	**192**	165	189
Barium	ppm	ASTM D5185m	1	**0**	0	2
Molybdenum	ppm	ASTM D5185m		**17**	16	17
Manganese	ppm	ASTM D5185m		**3**	2	4
Magnesium	ppm	ASTM D5185m	1	**194**	157	169
Calcium	ppm	ASTM D5185m	7	**251**	213	242
Phosphorus	ppm	ASTM D5185m	1145	**1313**	1112	1254
Zinc	ppm	ASTM D5185m	3	**273**	231	261
Sulfur	ppm	ASTM D5185m	17909	**20218**	17992	16571

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	**48**	20	12
Sodium	ppm	ASTM D5185m		**4**	2	4
Potassium	ppm	ASTM D5185m	>20	**6**	2	1

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

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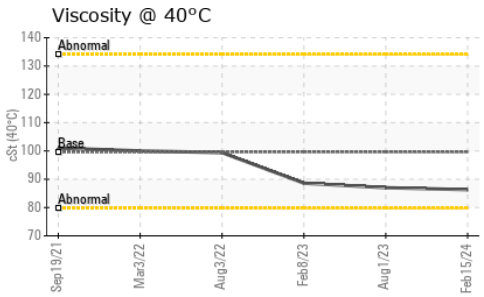
OIL DIAGNOSTICS

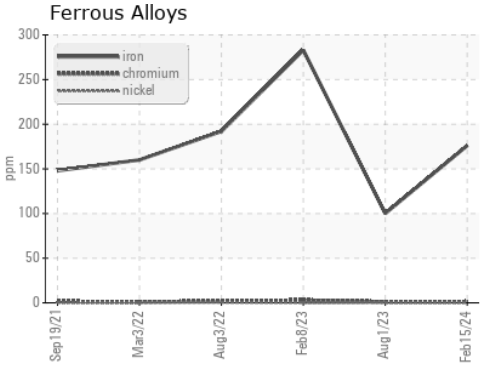


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	99.6	**86.3**	87.0	88.6

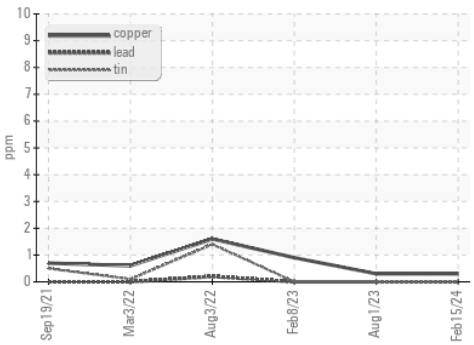
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS

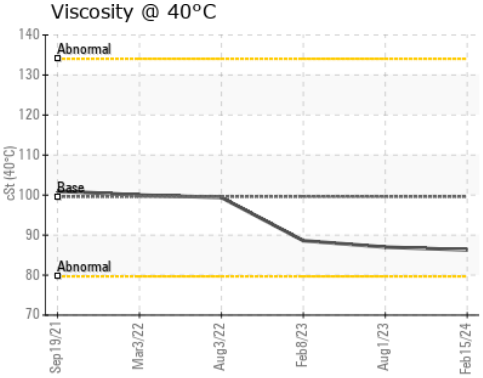
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0113163
Lab Number : 06093345
Unique Number : 10886198
Test Package : FLEET

Received : 19 Feb 2024
Tested : 20 Feb 2024
Diagnosed : 21 Feb 2024 - Sean Felton

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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