



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
CCGSJC
Machine Id
4231834

Component
Unknown Component

Fluid
PETRO CANADA ENDURATEX EP 220 (--- LTR)

RECOMMENDATION

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. We advise that you check for visible metal particles in the sample. The sample change at the time of sampling has been noted. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please provide more complete information on your next sample.

WEAR

Moderate concentration of visible metal present. Abnormal wear is indicated.

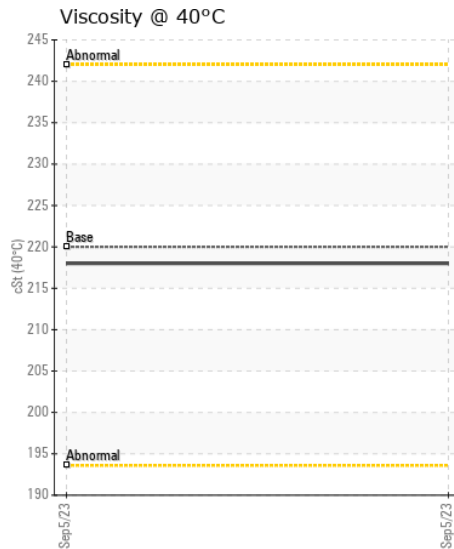
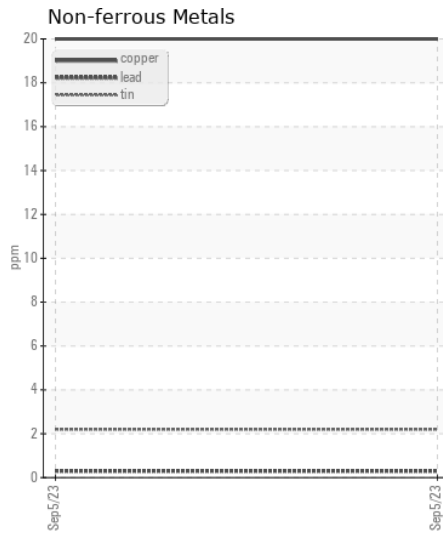
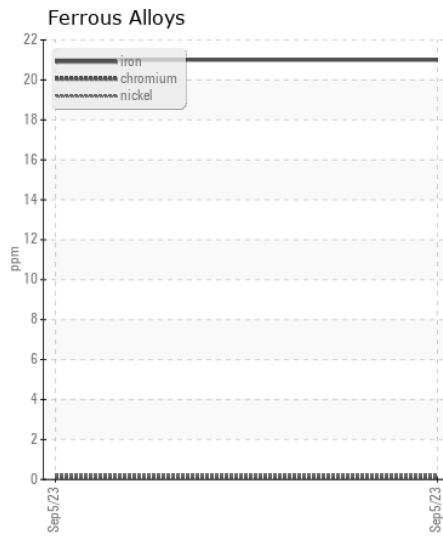
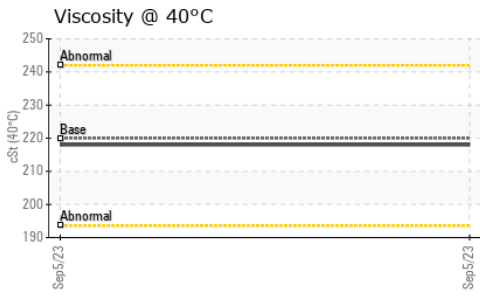
CONTAMINATION

There is no indication of any contamination in the sample.

FLUID CONDITION

The sample is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0750128	---	---
Sample Date		Client Info		05 Sep 2023	---	---
Machine Age	hrs	Client Info		41400	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185(m)		21	---	---
Chromium	ppm	ASTM D5185(m)		<1	---	---
Nickel	ppm	ASTM D5185(m)		<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)		<1	---	---
Lead	ppm	ASTM D5185(m)		<1	---	---
Copper	ppm	ASTM D5185(m)		20	---	---
Tin	ppm	ASTM D5185(m)		2	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	▲ MODER	---	---
Silicon	ppm	ASTM D5185(m)		7	---	---
Potassium	ppm	ASTM D5185(m)	>20	0	---	---
Water		WC Method		NEG	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*		NEG	---	---
Sodium	ppm	ASTM D5185(m)		<1	---	---
Boron	ppm	ASTM D5185(m)	60	64	---	---
Barium	ppm	ASTM D5185(m)	0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	0	0	---	---
Manganese	ppm	ASTM D5185(m)	0	0	---	---
Magnesium	ppm	ASTM D5185(m)	0	<1	---	---
Calcium	ppm	ASTM D5185(m)	0	2	---	---
Phosphorus	ppm	ASTM D5185(m)	270	287	---	---
Zinc	ppm	ASTM D5185(m)	0	5	---	---
Sulfur	ppm	ASTM D5185(m)	11200	6093	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	220	218	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0750128 **Received** : 11 Sep 2023
Lab Number : 02581549 **Tested** : 14 Sep 2023
Unique Number : 5642614 **Diagnosed** : 14 Sep 2023 - Kevin Marson
Test Package : MAR 5 (Additional Tests: Bottom, BottomAnalysis, FilterPatch, ICP, KV40, Spat, Visc)

WEARCHECK CANADA INC.
 C8-1175 Appleby Line
 BURLINGTON, ON
 CA L7L 5H9
 Contact: Dorian Anderson
 dorian.anderson@wearcheck.com

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

T:
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