



# OIL ANALYSIS REPORT

WEAR  
CONTAMINATION  
FLUID CONDITION

ATTENTION  
NORMAL  
NORMAL

Machine Id  
**C051112 Truck Leg**

Component  
**Gearbox**

Fluid  
**PETRO CANADA PURITY FG SYN GEAR ISO 220 (10 LTR)**

## RECOMMENDATION

We recommend an early resample to monitor this condition.

## WEAR

Iron ppm levels are noted. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. All other component wear rates are normal.

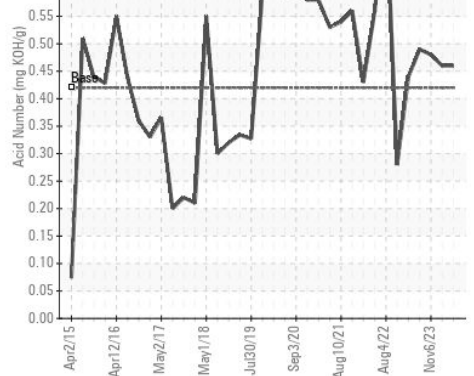
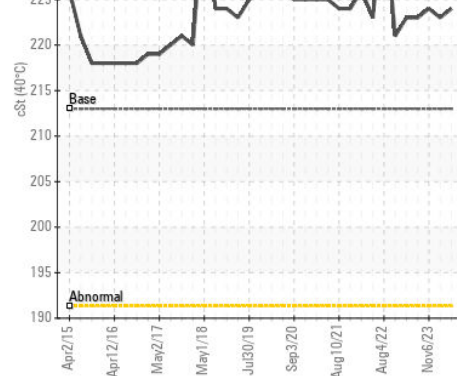
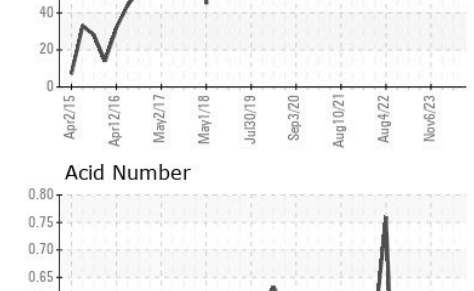
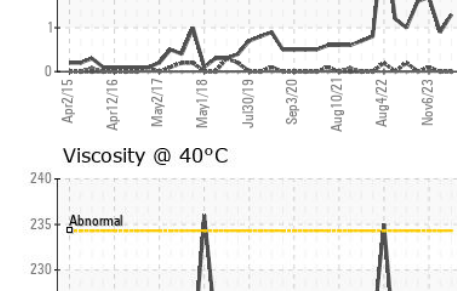
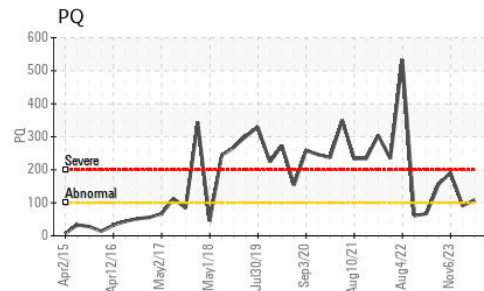
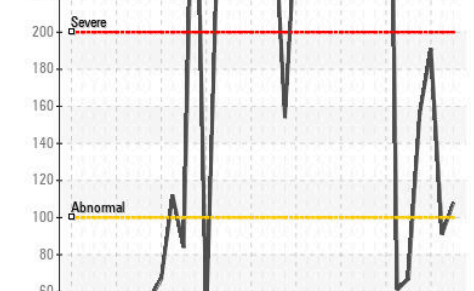
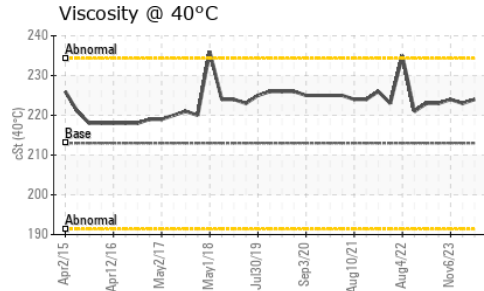
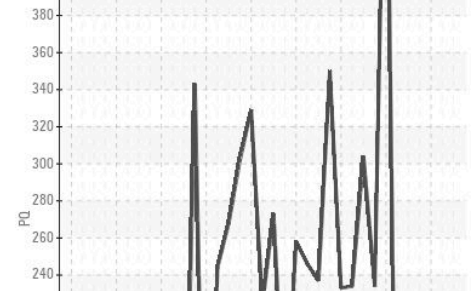
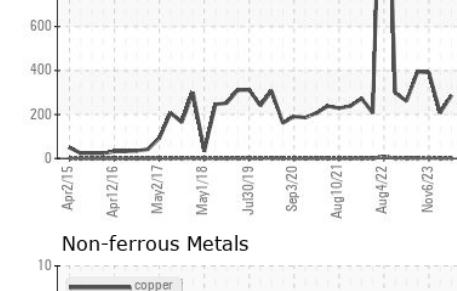
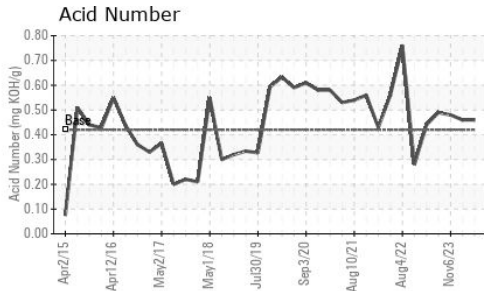
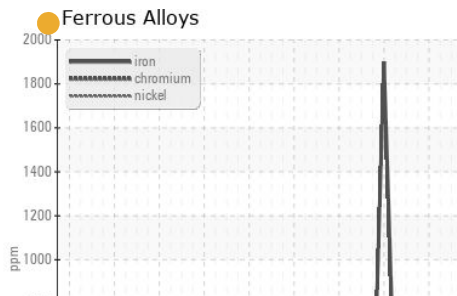
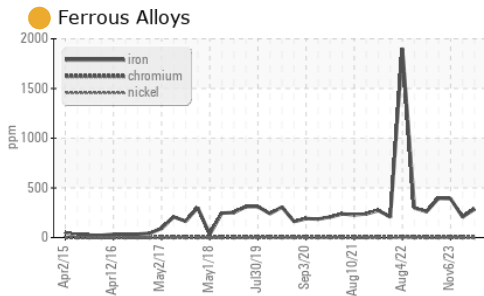
## CONTAMINATION

There is no indication of any contamination in the oil.

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0909101	WC	WC
Sample Date		Client Info		06 May 2024	07 Feb 2024	06 Nov 2023
Machine Age	days	Client Info		0	0	0
Oil Age	days	Client Info		0	0	0
Filter Age	days	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	ABNORMAL
PQ		ASTM D8184*		108	91	▲ 191
Iron	ppm	ASTM D5185(m)	>200	● 287	207	▲ 391
Chromium	ppm	ASTM D5185(m)	>15	1	<1	2
Nickel	ppm	ASTM D5185(m)	>15	<1	<1	1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	3	2	2
Lead	ppm	ASTM D5185(m)	>100	0	0	<1
Copper	ppm	ASTM D5185(m)	>200	1	<1	2
Tin	ppm	ASTM D5185(m)	>25	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>50	7	15	10
Potassium	ppm	ASTM D5185(m)	>20	0	20	0
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	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*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		2	2	2
Boron	ppm	ASTM D5185(m)		2	1	2
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)		1	<1	3
Manganese	ppm	ASTM D5185(m)		3	2	4
Magnesium	ppm	ASTM D5185(m)		<1	0	0
Calcium	ppm	ASTM D5185(m)		7	4	7
Phosphorus	ppm	ASTM D5185(m)		412	319	424
Zinc	ppm	ASTM D5185(m)		3	2	3
Sulfur	ppm	ASTM D5185(m)		992	1060	858
Acid Number (AN)	mg KOH/g	ASTM D974*	0.42	0.46	0.46	0.48
Visc @ 40°C	cSt	ASTM D7279(m)	213	224	223	224



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0909101  
**Lab Number** : 02634179  
**Unique Number** : 5775332  
**Test Package** : IND 2

**Received** : 08 May 2024  
**Tested** : 09 May 2024  
**Diagnosed** : 09 May 2024 - Kevin Marson

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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.