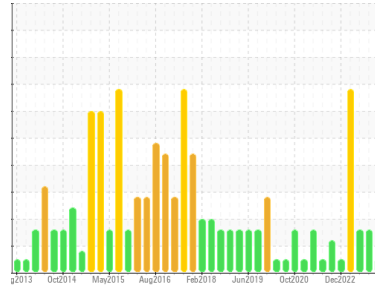




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**T.A.P**  
 Machine Id  
**52-2811-1Z7A1**  
 Component  
**Gear Reducer**  
 Fluid  
**PETRO CANADA SPX 5000 (30 LTR)**

## DIAGNOSIS

### Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

### Wear

Les taux d'usure de tous les composants sont normaux.

### Contamination

La teneur en eau est négligeable. Il n'y a aucun indice de contamination dans l'huile.

### Fluid Condition

Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en prolonger l'utilisation.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0879170</b>	WC0818547	WC0846918
Sample Date	Client Info		<b>04 Dec 2023</b>	21 Jun 2023	09 Jun 2023
Machine Age	hrs	Client Info	<b>0</b>	0	0
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	ABNORMAL	ABNORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>0</b>	0	0
Iron	ppm	ASTM D5185(m) >150	<b>0</b>	<1	0
Chromium	ppm	ASTM D5185(m) >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m) >25	<b>0</b>	0	0
Lead	ppm	ASTM D5185(m) >100	<b>0</b>	<1	0
Copper	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>10</b>	6	8
Barium	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Calcium	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	<1
Phosphorus	ppm	ASTM D5185(m) 12	<b>10</b>	10	9
Zinc	ppm	ASTM D5185(m)	<b>1</b>	1	1
Sulfur	ppm	ASTM D5185(m)	<b>295</b>	137	148
Lithium	ppm	ASTM D5185(m)	<b>2</b>	1	2

## CONTAMINANTS

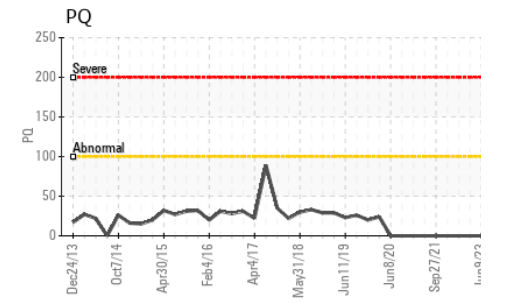
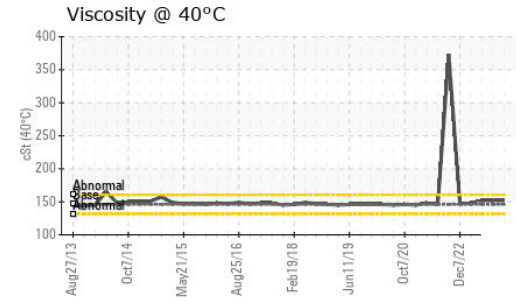
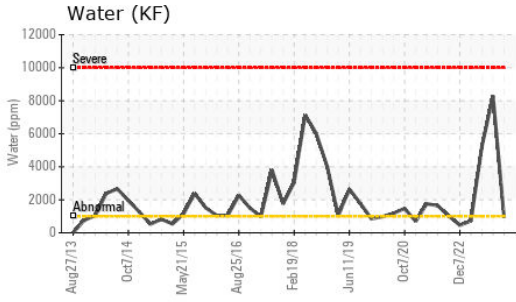
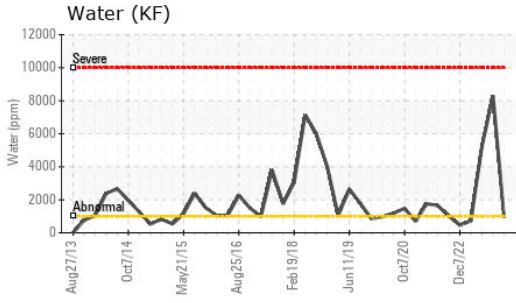
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<b>5</b>	5	5
Sodium	ppm	ASTM D5185(m)	<b>3</b>	2	4
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	0	1
Water	%	ASTM D6304* >0.1	<b>0.092</b>	▲ 0.828	▲ 0.526
ppm Water	ppm	ASTM D6304* >1000	<b>927</b>	▲ 8288.7	▲ 5263.2

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	<b>0.10</b>	0.13	0.08



# OIL ANALYSIS REPORT



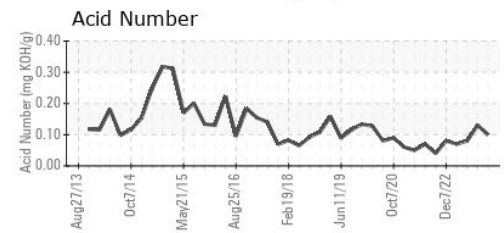
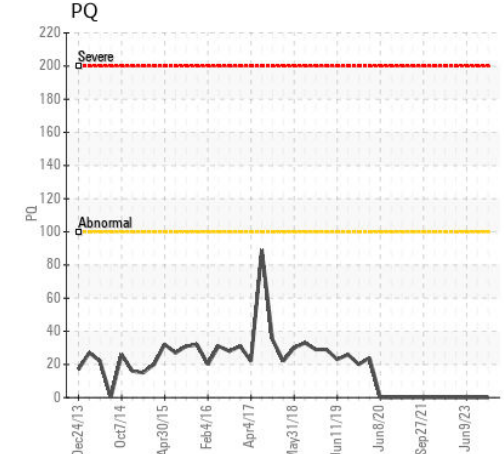
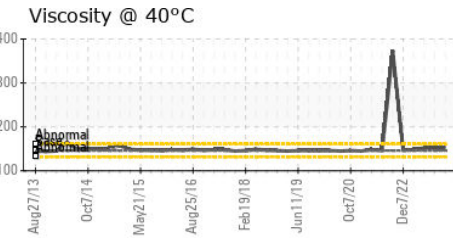
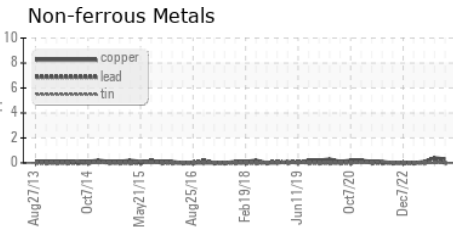
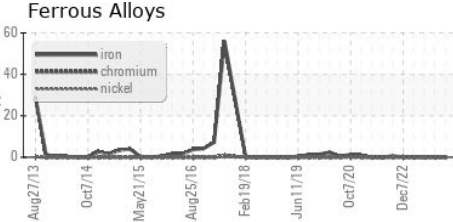
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	146	152	152

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0879170 **Received** : 11 Dec 2023  
**Lab Number** : 02602385 **Diagnosed** : 12 Dec 2023  
**Unique Number** : 5695470 **Diagnostician** : Wes Davis  
**Test Package** : IND 2 ( Additional Tests: KF, TAN Man )

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.

**RTA - UGB**  
 C.P. 900  
 Ville de la Baie, QC  
 CA G7B 4G9  
 Contact: Alcan Epc  
 mathieu.tremblay2@riotinto.com  
 T: (418)697-9568  
 F: (418)697-9550