



# COOLANT REPORT

CORROSION	<b>SEVERE</b>
CONTAMINANTS	<b>ABNORMAL</b>
COOLANT CONDITION	<b>NORMAL</b>

Area  
**T.A.P**  
Machine Id  
**52-1906-01**

Component  
**Coolant**  
Fluid  
**HYBRID (HOAT) COOLANT (280 GAL)**

## RECOMMENDATION

Nous recommandons que vous vidangiez le système et que vous le remplissiez avec un mélange 50/50 eau/antigel. Nous vous conseillons de reconstituer les additifs refroidisseurs supplémentaires, (SCA - supplemental coolant additives) et d'en ajouter selon les indications du fabricant. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC15001559</b>	WC15001565	WC15001566
Sample Date		Client Info		<b>21 Oct 2014</b>	14 Oct 2014	27 Sep 2014
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>SEVERE</b>	SEVERE	NORMAL

## CORROSION

La concentration du fer est anormale/sévère indiquant la présence de rouille dans le système qui pourrait l'obstruer.

Iron	ppm	ASTM D5185(m)	>15	<b>▲ 3873</b>	<1	3
Aluminum	ppm	ASTM D5185(m)	>10	<b>10</b>	▲ 16	<1
Copper	ppm	ASTM D5185(m)	>10	<b>1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Zinc	ppm	ASTM D5185(m)	>10	<b>4</b>	4	<1

## CONTAMINANTS

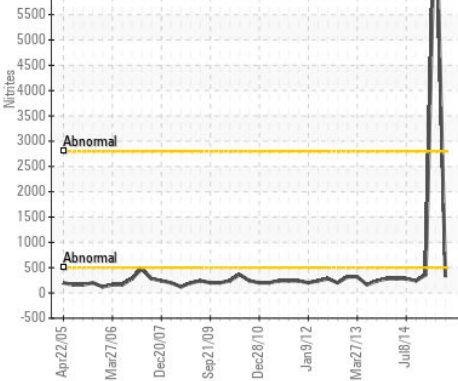
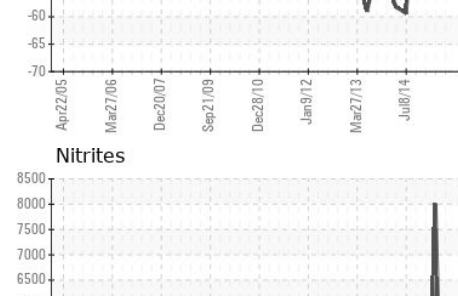
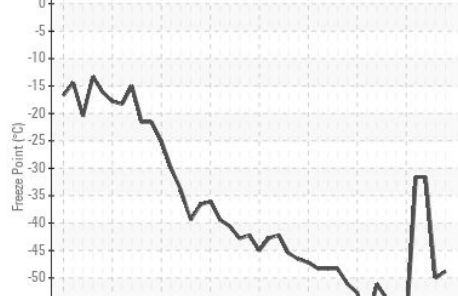
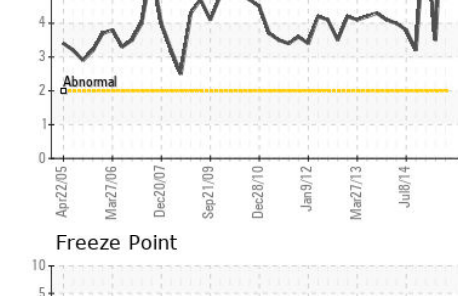
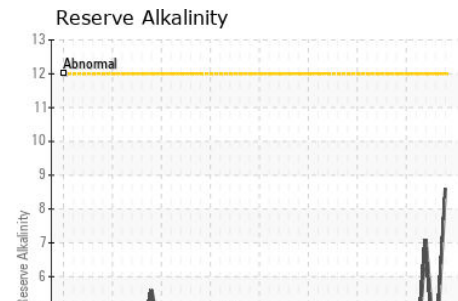
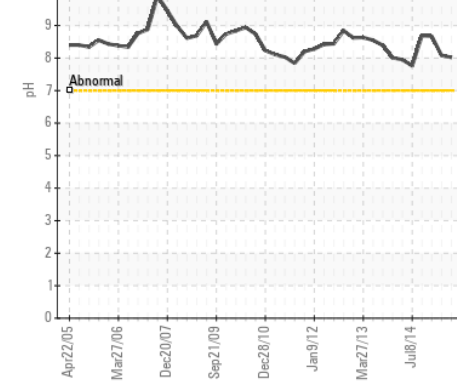
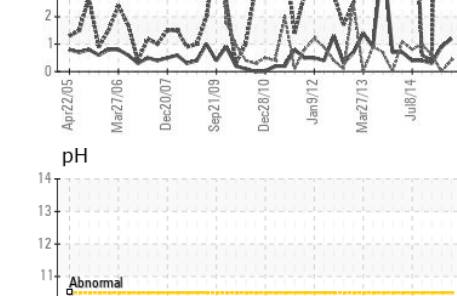
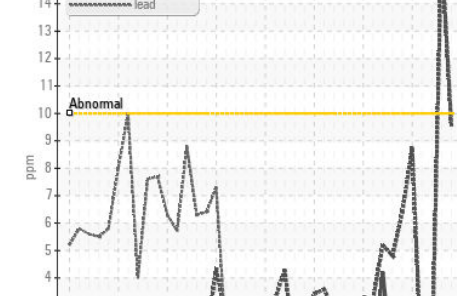
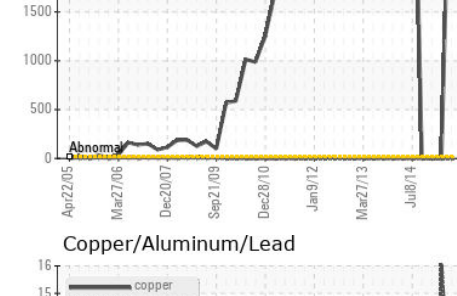
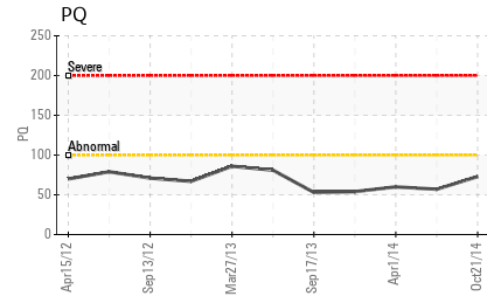
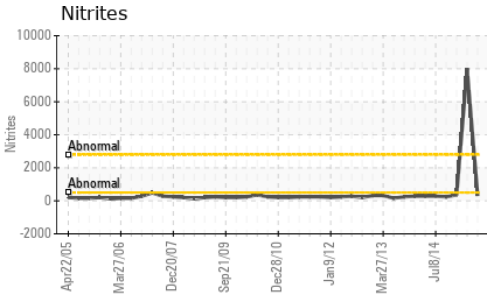
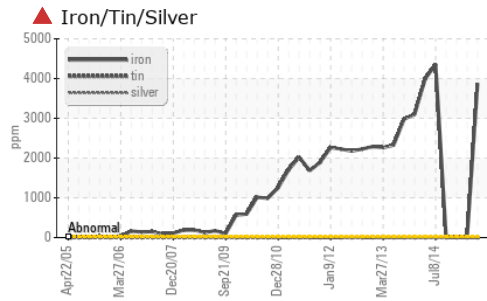
Il n'y a aucune indication de contamination dans le composant (non confirmée).

Calcium	ppm	ASTM D5185(m)		<b>15</b>	3	5
Magnesium	ppm	ASTM D5185(m)		<b>6</b>	3	2
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Coolant Appearance		Visual*	Clear	<b>▲ Opaque</b>	▲ Very old	Clear

## COOLANT CONDITION

The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. Le niveau de pH de ce fluide est dans les limites acceptables. La réserve d'alcalinité de ce fluide est acceptable.

Specific Gravity		ASTM D1298*		<b>1.076</b>	1.078	1.060
pH	Scale 0-14	ASTM D1287*		<b>8.02</b>	8.08	8.67
Nitrites	ppm	Alcan Test Kit*		<b>320</b>	8000	360
Reserve Alkalinity	Scale 0-20	ASTM D1121*		<b>8.6</b>	3.5	7.1
Percentage Glycol	%	ASTM D3321*		<b>57.0</b>	59.0	44.0
Freezing Point	°C	ASTM D3321*		<b>-48.8</b>	-50	-31.6
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>24</b>	12	<1
Phosphorus	ppm	ASTM D5185(m)		<b>943</b>	3	1108
Boron	ppm	ASTM D5185(m)		<b>413</b>	14	330
Molybdenum	ppm	ASTM D5185(m)		<b>6</b>	773	<1
Sodium	ppm	ASTM D5185(m)		<b>1203</b>	979	198
Potassium	ppm	ASTM D5185(m)		<b>3468</b>	6515	2738
Coolant Color		Visual*		<b>Yellow</b>	Orange	Grn/Yellow



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC15001559 **Received** : 28 Oct 2014  
**Lab Number** : 01954696 **Tested** : 29 Oct 2014  
**Unique Number** : 4004896 **Diagnosed** : 29 Oct 2014 - Kevin Marson  
**Test Package** : COOL ( Additional Tests: PQ )

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