



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

COOLANT REPORT

CORROSION

ABNORMAL

CONTAMINANTS

ABNORMAL

COOLANT CONDITION

NORMAL

Area

[6100299068]

Machine Id

E00-051700

Component

Coolant

Fluid

HYBRID (HOAT) COOLANT (--- GAL)

RECOMMENDATION

Drain system and refill with 50/50 premix of manufacturer recommended coolant.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WA0020215	---	---
Sample Date		Client Info		19 Jun 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

CORROSION

Lead ppm levels are abnormal. The high metal levels indicate corrosion in the system.

Iron	ppm	ASTM D5185(m)	>15	0	---	---
Aluminum	ppm	ASTM D5185(m)	>10	0	---	---
Copper	ppm	ASTM D5185(m)	>10	0	---	---
Lead	ppm	ASTM D5185(m)	>10	▲ 28	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Silver	ppm	ASTM D5185(m)	>10	0	---	---
Zinc	ppm	ASTM D5185(m)	>10	<1	---	---

CONTAMINANTS

Hardness is elevated. Elevated hardness can allow scale formation that will reduce cooling system effectiveness.

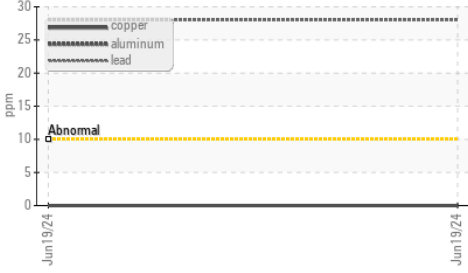
Calcium	ppm	ASTM D5185(m)	>100	29	---	---
Magnesium	ppm	ASTM D5185(m)	>40	1	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Coolant Appearance		Visual*	Clear	Clear	---	---

COOLANT CONDITION

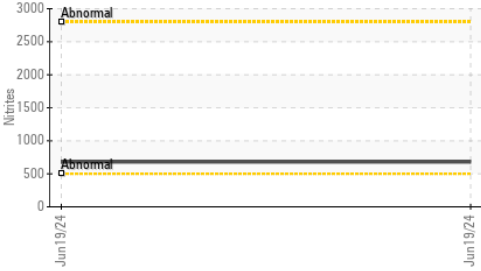
The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

Boiling Point	°C	WC Method*		107	---	---
Specific Gravity		ASTM D1298*		1.065	---	---
pH	Scale 0-14	ASTM D1287*		7.84	---	---
Nitrites	ppm	Alcan Test Kit*		680	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		7.8	---	---
Percentage Glycol	%	ASTM D3321*		48.4	---	---
Freezing Point	°C	ASTM D3321*		-35	---	---
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		11	---	---
Phosphorus	ppm	ASTM D5185(m)		16	---	---
Boron	ppm	ASTM D5185(m)		1367	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Sodium	ppm	ASTM D5185(m)		6513	---	---
Potassium	ppm	ASTM D5185(m)		97	---	---
Coolant Color		Visual*		Yellow	---	---

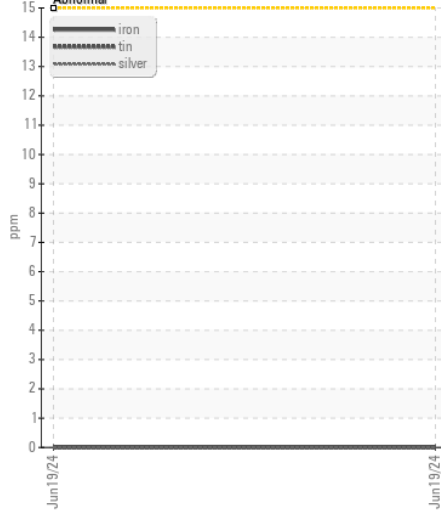
▲ Copper/Aluminum/Lead



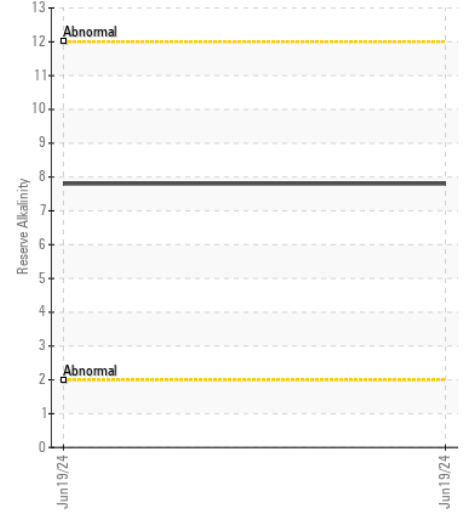
Nitrites



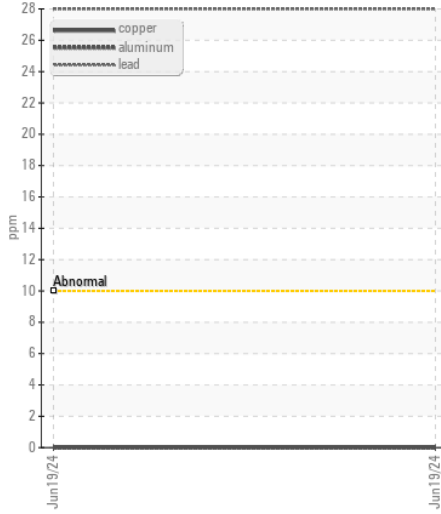
Iron/Tin/Silver



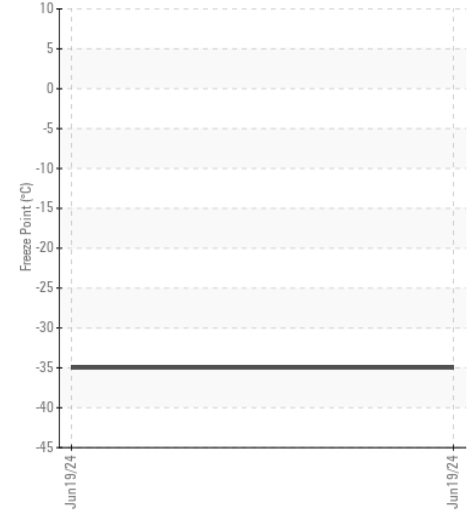
Reserve Alkalinity



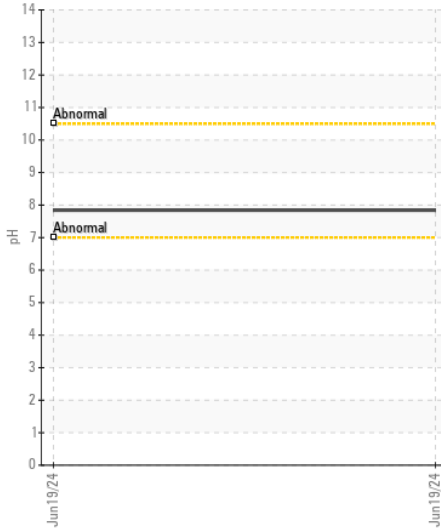
▲ Copper/Aluminum/Lead



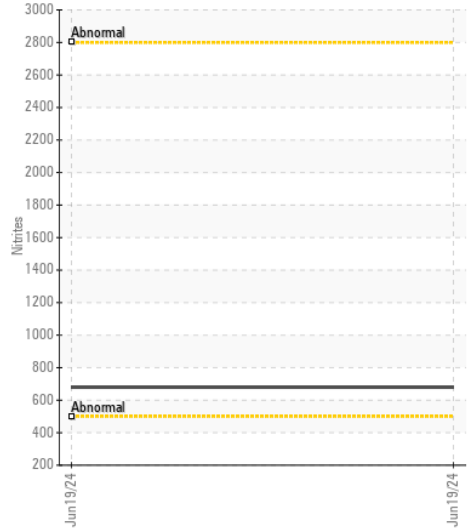
Freeze Point



pH



Nitrites



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0020215 **Received** : 26 Jun 2024
Lab Number : 02644254 **Tested** : 26 Jun 2024
Unique Number : 5801793 **Diagnosed** : 27 Jun 2024 - Kevin Marson
Test Package : COOL (Additional Tests: GlycolType)

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.

Wajax Power Systems
 70 Raddall Avenue
 Dartmouth, NS
 CA B3B 1T7
 Contact: Danelle Hoffman
 dhoffman@wajax.com
 T: (902)468-6200
 F: (902)468-3325